

KV-C2571D / C2971D

RM-816

SERVICE MANUAL

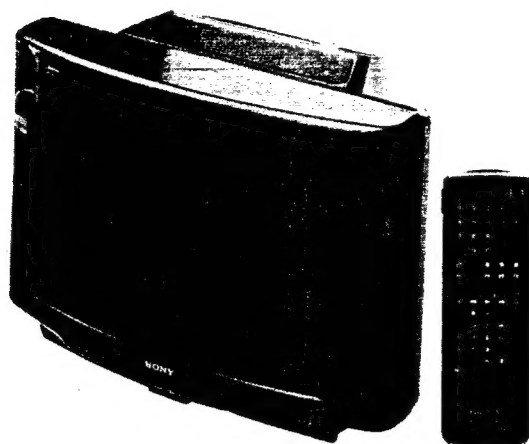
AEP Model

KV-C2571D

Chassis No. SCC-F07G-A

KV-C2971D

Chassis No. SCC-F07H-A



AE-1C CHASSIS

MODELS OF THE SAME SERIES

KV-C2571D/C2971D	KV-X2551D/X2951D
KV-C2161D/C2561D/C2961D	
KV-C2551D/C2951D	

SPECIFICATIONS

【KV-C2571D/KV-C2971D】

Television system B/G/H
Color system PAL, SECAM, NTSC3.58, NTSC4.43
Stereo system GERMAN stereo
Channel coverage VHF: E2-E12 UHF: E21-E69
CABLE TV (1) : S1-S41
CABLE TV (2) : S 01-S 05, M 1-M 10, U 1-U 10

Picture tube HI-Black Trinitron tube
(KV-C 2571 D)
Approx. 63.5 cm (25 inches)
(Approx. 59 cm picture measured diagonally)
110 ° degree deflection
(KV-C 2971 D)
Approx. 72.4 cm (29 inches)
(Approx. 68 cm picture measured diagonally)
110 ° degree deflection

-Continued on next page-



TRINITRON® COLOR TV

SONY®

Inputs / Outputs Terminals

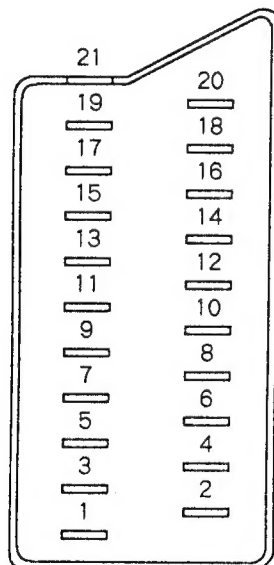
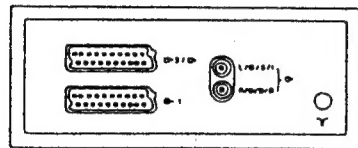
REAR

- 21 pin Euro connector (CENELEC standard)
2/21-pin Euro connector
Audio output(variable)
-Inputs for audio and video signals
-Inputs for RGB
-Outputs of TV video and audio signals
-Inputs for audio and video signals
-Inputs for S-video
-Outputs for video and audio signals (selectable)
-phono jacks

FRONT

- W/G/W/G 1 woofer out 2-pin DIN
Video input phono jack
Audio inputs (L,R) phono jacks
S-video Inputs-4 pin DIN
Headphone jack : stereo mini jack
Sound output 15 W + 15 W + 30 W (Woofer)
Power consumption 103 Wh (KV-C2571 D)
110 Wh (KV-C2971 D)

21 pin connector (1 2/4)



4 Pin connector (4)

Pin No	Signal	Signal level
1	Ground	
2	Ground	
3	Y (S signal) input	1V ± 3dB 75ohm, positive Sync 0.3V ± 3 dB
4	C (S signal) input	0.3V ± 3dB 75ohm, positive

Dimensions

Approx. 720×515×480 mm (w/h/d)
(KV-C2571 D)Approx. 814×576×508 mm (w/h/d)
(KV-C2971 D)

Weight

Approx. 42 kg (KV-C2571 D)

Approx. 56 kg (KV-C2971 D)

Supplied accessories

RM-816 Remote Commander (1)
IEC designation R6 batteries (2)
Woofer

[RM-816]

Remote control system infrared control

Power requirements 3V dc

2 batteries IEC designation
R6 (size AA)

Dimensions

Approx. 75×221×23mm(w/h/d)

Weight

Approx. 230g (including batters)

Accessories supplied

IEC designation R6 batteries (2)

Design and specifications are subject to change without notice.

Pin No	1	2	4	Signal	Signal level
1	○	○	○	Audio output B (right)	Standard level : 0.5Vrms Output impedance : Less than 1kohm *
2	○	○	○	Audio input B (right)	Standard level : 0.5Vrms Input impedance : More than 10kohms *
3	○	○	○	Audio output A (left)	Standard level : 0.5Vrms Output impedance : Less than 1kohm *
4	○	○	○	Ground (audio)	
5	○	○	○	Ground (blue)	
6	○	○	○	Audio input A (left)	Standard level : 0.5Vrms Input impedance : More than 10kohms *
7	○	●	●	Blue input	0.7 ± 3dB, 75ohms, positive
8	○	○	○	Function select (AV control)	High state (9.5 - 12V) : Part mode Low state (0 - 2V) : TV mode Input impedance : More than 10kohms Input capacitance : Less than 2nF
9	○	○	○	Ground (green)	
10	○	○	○	Open	
11	○	●	●	Green	Green signal : 0.7V ± 3dB, 75ohms, positive
12	○	○	○	Open	
13	○	○	○	Ground (red)	
14	○	○	○	Ground (blanking)	
15	○	○	○	Red input (S signal) croma input	0.7V ± 3dB, 75ohms, positive 0.3V ± 3dB, 75ohms, positive
16	○	●	●	Blanking input (Ys signal)	High state (1 - 3V) Low state (0 - 0.4V) Input impedance : 75ohms
17	○	○	○	Ground (video output)	
18	○	○	○	Ground (video input)	
19	○	○	○	Video output	1V ± 3dB, 75ohms, positive Sync : 0.3V (-3, +
20	○	○	○	Video input	1V ± 3dB, 75ohms, positive Sync : 0.3V (-3, +
21	○	○	○	Common ground (plug, shield)	

○ Connected ● unconnected (open) * at 20Hz - 20kHz


TABLE OF CONTENTS

Section	Title	Page	Section	Title	Page
1. GENERAL			4. CIRCUIT ADJUSTMENTS		
1-1.	Switching On / Off	4	4-1.	A Board Adjustments	18
1-2.	Presetting	4	4-2.	B1 Board Adjustments	18
1-3.	Basic TV Operation	6	4-3.	D Board Adjustments	19
1-4.	Advanced TV Operation	7	4-4.	J1 Board Adjustments	20
1-5.	Teletext operation	8	4-5.	V Board Adjustment	20
1-6.	Connection of the Woofer	9	4-6.	Secondary Adjustments	21
1-7.	Optional Connections / Operations	9			
2. DISASSEMBLY			5. DIAGRAMS		
2-1.	Rear Cover Removal	10	5-1.	Block Diagram	23
2-2.	Chassis Assy Removal	10	5-2.	Circuit Boards Location	29
2-3.	A and J1 Boards Removal	11	5-3.	Schematic Diagrams and Printed Wiring Boards	29
2-4.	B1 and V Boards Removal	11	5-4.	Semiconductors	63
2-5.	Service Position	12			
2-6.	Picture Tube Removal	13	6. EXPLODED VIEWS		
3. SET-UP ADJUSTMENTS			6-1.	Chassis	65
3-1.	Beam Landing	14	6-2.	Picture Tube	66
3-2.	Convergence	15	6-3.	Speaker	67
3-3.	Focus	17			
3-4.	White Balance	17	7. ELECTRICAL PARTS LIST		68

CAUTION

SHORT CIRCUIT THE ANODE OF THE PICTURE TUBE AND THE ANODE CAP TO THE METAL CHASSIS, CRT SHIELD, OR CARBON PAINTED ON THE CRT, AFTER REMOVING THE ANODE.

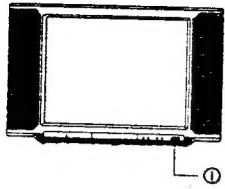
SAFETY-RELATED COMPONENT WARNING !!

COMPONENTS IDENTIFIED BY SHADING AND MARK  ON THE SCHEMATIC DIAGRAMS, EXPLODED VIEWS AND IN THE PARTS LIST ARE CRITICAL TO SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY.

SECTION 1 GENERAL

1-1. SWITCHING ON/OFF

After you have completed the basic preparation your TV is ready to be connected to the mains power supply (220/240V AC, 50Hz).

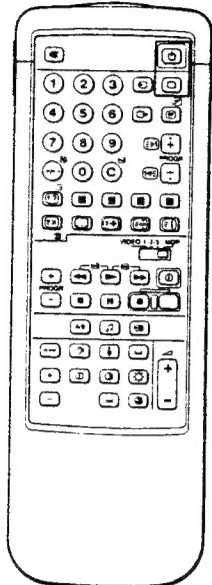


How to turn the TV on

Action	Result
Press on the TV.	The TV will turn on. Note: If the screen remains blank, the TV may be in the standby mode. Press or any number button on the commander to switch it on.

How to turn the TV off

A Temporarily	
Press to enter standby mode.	The TV will be in standby. To return to the TV mode press .
B Completely	
Press on the TV.	The TV will turn off.



1-2. PRESETTING

After you have installed this TV you need to preset TV channels.

TV stations broadcast their channels at certain frequencies. You must preset these channels to programme numbers on this TV before you can watch the TV programmes.

There are 60 spaces for storing these channels.

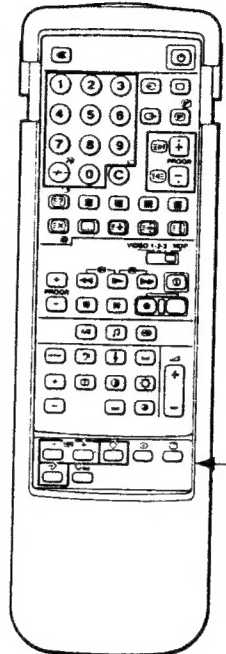
Slide open the full function side of the remote commander to reveal preset buttons.

How to preset channels automatically

If you are unfamiliar with the channel numbers of the stations you wish to preset, use "How to preset channels automatically". If you are familiar with the channel numbers refer to "How to preset T.V. channels directly".

Action	Result
1 Press to enter the preset mode.	The programme number will start flashing.
2 Press PROGR + or - or the number buttons to select the programme number to which you want to preset channels.	The programme number changes.
Note To select a double-digit number, use the button. For example, if you want to choose 23, press , 2, and then 3.	
3 Press or once to search forward or backward for channels.	When a channel is tuned in, the search will stop. Note If you want to skip a channel, press + or -.
4 Press if you want to store the channel which is tuned in. Press to exit preset mode without storing.	The channel is now stored and you have returned to TV mode.
5 Repeat steps 1 to 4 to store the other channels.	

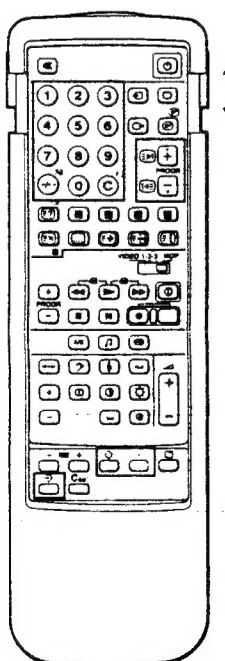
Note: These buttons should be used in preset mode only.



How to preset channels directly

Action	Result
1 Press to enter the preset mode.	The programme number will start flashing.
2 Press PROGR + or - or the number buttons to select the programme number on which you want to preset a channel.	The programme number changes.
Note To select a double-digit number, use the button. For example, if you want to choose 23, press , 2, and then 3.	
3 Press C . If you want to select a cable channel, press C twice.	The indication "C" ("S" for a cable channel) starts flashing on the display.
4 Select the channel number with two digits (e.g. 04) by pressing the number buttons.	The channel number changes. Note If you have made a mistake the letter "X" will appear. Repeat step 4 again.
Note Press the second number within 5 seconds after the first one, otherwise the operation will be cancelled.	
5 Press to store the channel which is tuned in. Press to exit the preset mode without storing.	The channel is now stored and you have returned to TV mode.

Repeat steps 1 to 5 to store the other channels.



How to Name a Station

You can use up to five characters to "name" a channel or station (i.e. BBC1).

Action	Result
1 Select a programme number you want to name by pressing the PROGR + or - or the number buttons.	The selected programme number will appear.
2 Press .	The programme number starts flashing.
3 Press .	The first column of the station name indication will start flashing.
4 Press + or - to select a letter in the alphabet, a number, or a blank space.	The letters of the alphabet, numbers and the space (" ") will appear sequentially.
5 Press .	The first character is now set and the second column will start flashing.
6 Repeat steps 4 and 5 to set each letter.	
7 Press .	The channel name is now stored and you have returned to TV mode.

How to tune in a channel temporarily

You can tune a channel in temporarily, if it has not been preset.

Action	Result
1 Press C . For cable channels, press C twice.	The indication "C" ("S" for cable channels) appears on the screen.
2 Select the channel number with two digits by pressing the number buttons (e.g. for channel 4, first press 0, then 4.)	The channel is received, but it is not stored to any programme number.

1-3. BASIC TV OPERATION

How to Skip Programmes

Using the PROGR +/- buttons you can skip unused programme channel numbers. However, the skipped numbers may still be called up using the number buttons.

Action	Result
1 Press → to enter the preset mode.	The programme number will start flashing.
2 Select the programme number that you want to skip by pressing PROGR +/- or the number buttons.	The programme number changes.
3 Press Coo.	The lowest channel number appears under the programme number.
4 Press ◊.	The channel is now stored and you have returned to TV mode.

Repeat steps 1 to 4 to skip other programme numbers.

How to Fine Tune Manually

If the picture is distorted, you can fine tune the channel manually.

Action	Result
Press [F] + or - repeatedly until the picture looks normal.	The indication ← F → appears on the screen.
Press → to enter the preset mode.	The programme number starts flashing.
Press ◊.	The fine tuning is stored.

Note: The automatic fine tuning will function again when you preset the channel once more.

Note: Press ⊥ on door to open.

This section introduces you to the basic control functions which are available on the simple side of the remote commander.

How to Select Programmes

Before you can select programmes make sure that you have preset channels.

Action	Result
Press PROGR +/- or the number buttons. To select a double-digit number, use the +/- button. For example, if you want to choose 23, press +/-, 2, and then 3.	The selected programme is displayed.

How to Adjust the Volume

Action	Result
Press Δ + or -.	The volume markers will appear.

How to Use Additional Functions

How to operate with the buttons on the TV

You can also select programmes and adjust the volume using the P-Δ-→ and →+/- buttons on the front of the TV. For operation, first press the P-Δ-→ button repeatedly so that the P (for programme) or Δ (for volume) indication appears on the screen, and then adjust with the →+/- buttons.

How to view the teletext

Press [T]. To return to the TV mode, press [O]. For details about the teletext operation.

How to view the video input picture

Press [V]. To return to the TV mode, press [O]. For further details.

1-4. ADVANCED TV OPERATION

This section shows you how to use convenient features and how to adjust the picture and sound to your taste. Use the full-function side of the Remote Commander.

How to use on-screen display and special sound features












You can enjoy the following convenient features.

How to	Action	To resume normal picture/sound
Display on-screen indications	Press [O]	Indications disappear after some seconds
Display programme numbers	Press [G] twice	Press [G] twice again.
Mute the sound	Press [M]	Press [M] again.
Select a language in bilingual programmes.	Press A/B. The selected mode of the A-OD-B indicator on the TV lights up.	Press A/B.
Set the sound to music listening position	Press [J]	Press [J] again.
Use the space sound (special acoustic effect)	Press [S]	Press [S] again.
Request the time	Press [C]	Press [C] again.

How to adjust the picture and sound

Although the picture and sound have been adjusted at the factory, you might want to adjust them to your own taste. To do this, please follow the steps.

For picture adjustment

To Adjust:	Press:	Then:	Result: (+ ↔ -)
Picture:			
Colour Intensity		<div> </div>	More ↔ Less
Picture Contrast			More ↔ Less
Brightness			Bright ↔ Dark
Hue (for NTSC only)			Reddish ↔ Greenish
			Sharp ↔ Soft
Sound:			
Bass		<div> </div>	More ↔ Less
Treble			More ↔ Less
Balance			More Right/More Left

To reset the picture and sound to factory set levels press →+/-.

On the set:

Press →+/- buttons simultaneously.

How to select a NICAM broadcast

This Sony TV has been designed to select Nicam broadcasts when available. Whenever a Nicam broadcast is received, the [N] symbol appears briefly on the screen. When the Nicam programme ends, or you switch channels to one without Nicam, the [N] symbol appears. To check if the channel you are watching is receiving Nicam, press the on screen display button [O] on the full function side of the remote commander.

How to select the sound of your choice

Nicam programmes can be broadcast in three ways. You may select the sound you want to hear in each of these, by pressing the [S] button on the full function side of the remote commander.

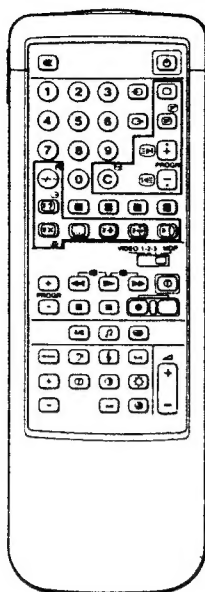
Nicam service being broadcast	Action	The sound you hear	Indication on the TV A-OD-B
Stereo		Stereo	[S] [S]
	Press A/B	Normal	[] []
	Press A/B again to return to stereo		
Mono		Mono	[S] []
	Press A/B	Normal	[] []
	Press A/B again to return to Nicam mono.		
Bilingual		Language A	[S] []
	Press A/B	Language B	[] [S]
	Press A/B	Normally broadcast language	[] []
	Press A/B again to return to language A		

* Depending on availability of service.

1-5. TELETEXT OPERATION

TV stations broadcast teletext programmes via the TV channels. To receive teletext programmes, use the buttons indicated in green on the full side of the Remote Commander. With the simple side of the Remote Commander, only the basic operation is possible.

How to View the Teletext



Action	Result
1 Select the channel which carries the teletext service you wish to see.	The channel changes on the screen.
2 Press .	Teletext will appear. If the teletext signal is not broadcast, then P100 is displayed.
3 Input three digits for the page number using the number buttons. Note If you make a mistake, type in any three digits, then re-enter the correct page number.	The numbers are entered on the screen. The requested page will appear in a few seconds.
To return to the TV mode. Press . To change the teletext channels First press to return to the TV mode, then repeat steps 1 to 3.	

Note
If the signal of the TV channel is weak, teletext errors may often occur.

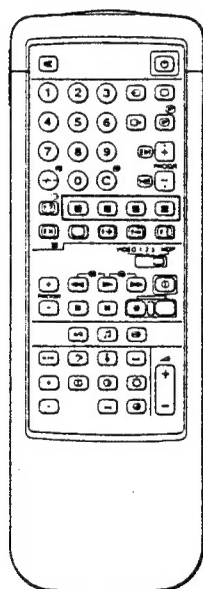
How to Use the Advanced Features of Teletext

How to	Action	Result (On-screen display)
Request the index page.	Press (INDEX).	The index page appears.
Request the subtitle page (p888).	Press .	The subtitle page is displayed (p888).
Access the next or preceding page.	Press (PAGE +) or (PAGE -).	The next or preceding page appears.

How to	Action	Result
Superimpose the teletext display on the TV programme.	Press once if you are in text mode, or press twice if in TV mode. To return to the normal teletext display press again.	The teletext displays are superimposed on the TV programmes.
Prevent a teletext page from being updated or changed.	Press (HOLD). To resume normal teletext reception, press (TEXT/MIX).	The HOLD symbol () appears on the screen and the chosen sub-page is held until you cancel.
Enlarge the teletext display.	Press once to enlarge the upper half. Press twice to enlarge the lower half. Press again to restore the normal display.	The upper half is enlarged.
Reveal concealed information (e.g. answers to a quiz).	Press (REVEAL). Press again to conceal the information.	The information is revealed.
Watch the TV programme while waiting for a requested page to be displayed.	1. Request a new page. 2. Press (TEXT CL). 3. When the requested page has been captured, the page number remains and the other data disappears. 4. Press to view this page.	The numbers are entered. The TV program is displayed, and the requested page number and other teletext data appear at the top of the screen. P201 The requested page is displayed.
Have a requested page displayed at a pre-determined time.	1. Request a desired page. 2. Press (TP ON). 3. Enter the time you want to have the page displayed with four digits using the number buttons. (For example, enter 0730 for 7:30 AM.) 4. Press (TEXT CL) to watch the TV programme until the requested time. To cancel the request Display the teletext page, then press (TP OFF).	The requested page is displayed. "*****" appears at the bottom of the screen. The time is entered on the screen. At the requested time, the page number will be displayed at the top of the screen, to view this page, press . The request is cancelled. To resume TV mode press .

Some of the features may not be available depending on the Teletext service.

1-7. OPTIONAL CONNECTIONS/OPERATIONS



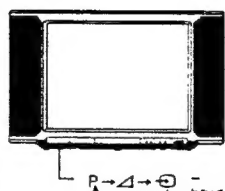
How to use the FASTEXT Feature

FASTEXT feature allows you to access pages quickly with one key operation. When a FASTEXT page is broadcast, a colour coded menu appears at the bottom of the screen. Each coloured prompt corresponds to the coloured buttons on either side of your Remote Commander.

Operation

Action	Result
Press one of the coloured buttons which corresponds to the coloured prompt on the teletext.	The selected teletext page appears.

Note
Correct FASTEXT operation depends on the necessary signals sent from the TV station.



How to view the video input picture

You can view the picture of video equipment connected to the input terminals by selecting the input mode.

Operation

Action	Result
Press repeatedly to select the desired input.	Symbol for the selected input appears. (See the table below.)
To return to the TV mode, press the button.	

Input modes

Symbol	Result
	Audio/video input through the connector.
	RGB input through the connector.
	Audio/video input through the 2/3 connector.
	S video input (from a VTR equipped with an S video output) through the 2/3 connector.
	Audio/video input through and jacks on the front.
You can also select the input mode using the button on the TV. In this case, first select and then press +/- buttons to select the input.	

How to select the Output

The connector outputs four kinds of audio/video signals. You have to select one of them as follows.

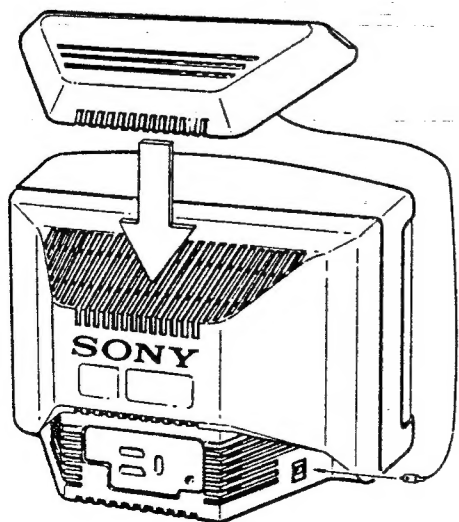
Operation

Action	Result
Press repeatedly to select the desired input.	Symbol for the selected output appears. (See the table below.)

Output modes

Symbol	Output from
	The audio/video signal from the connector
	The audio/video signal from the 2/3 connector
	The audio/video signal from the and connectors.
	The audio/video signal from the "I" aerial terminal.

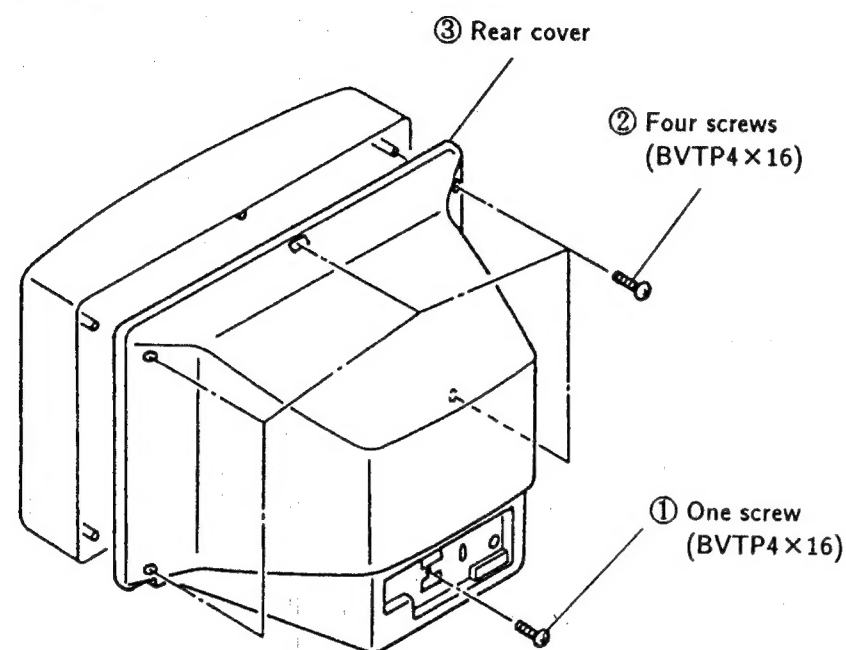
1-6. CONNECTION OF THE WOOFER



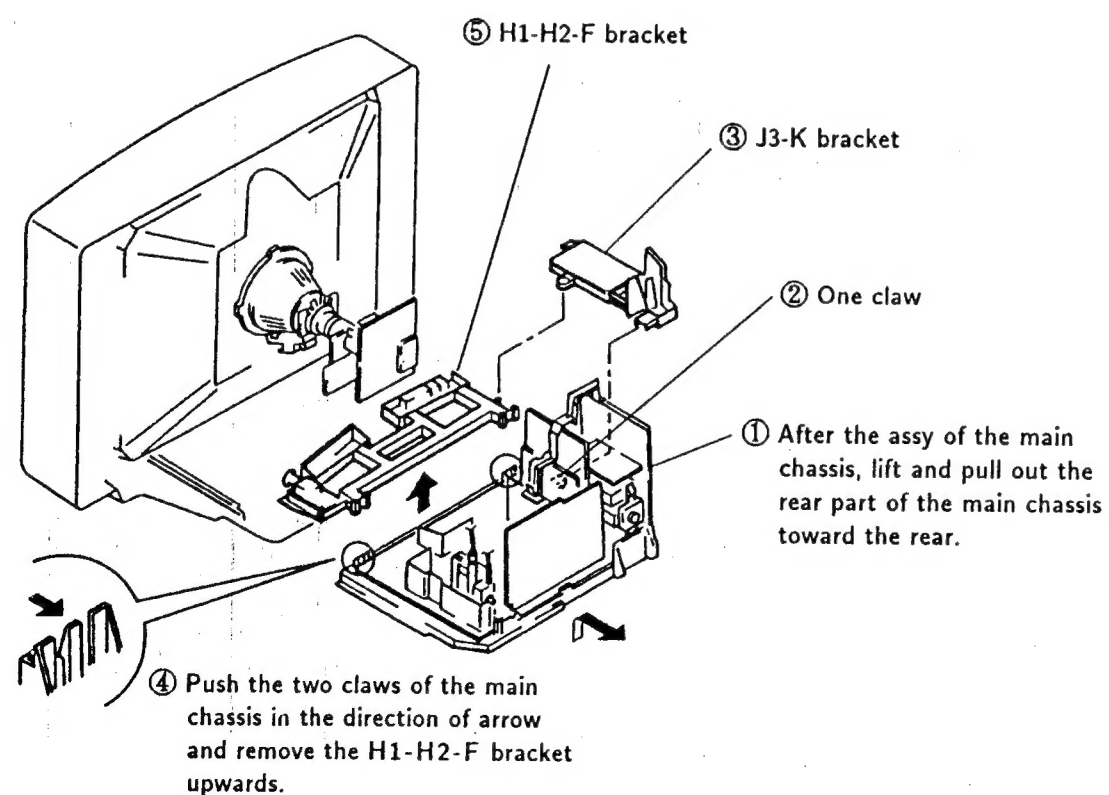
Place the woofer on the TV set and plug the connector in the side terminal.

SECTION 2 DISASSEMBLY

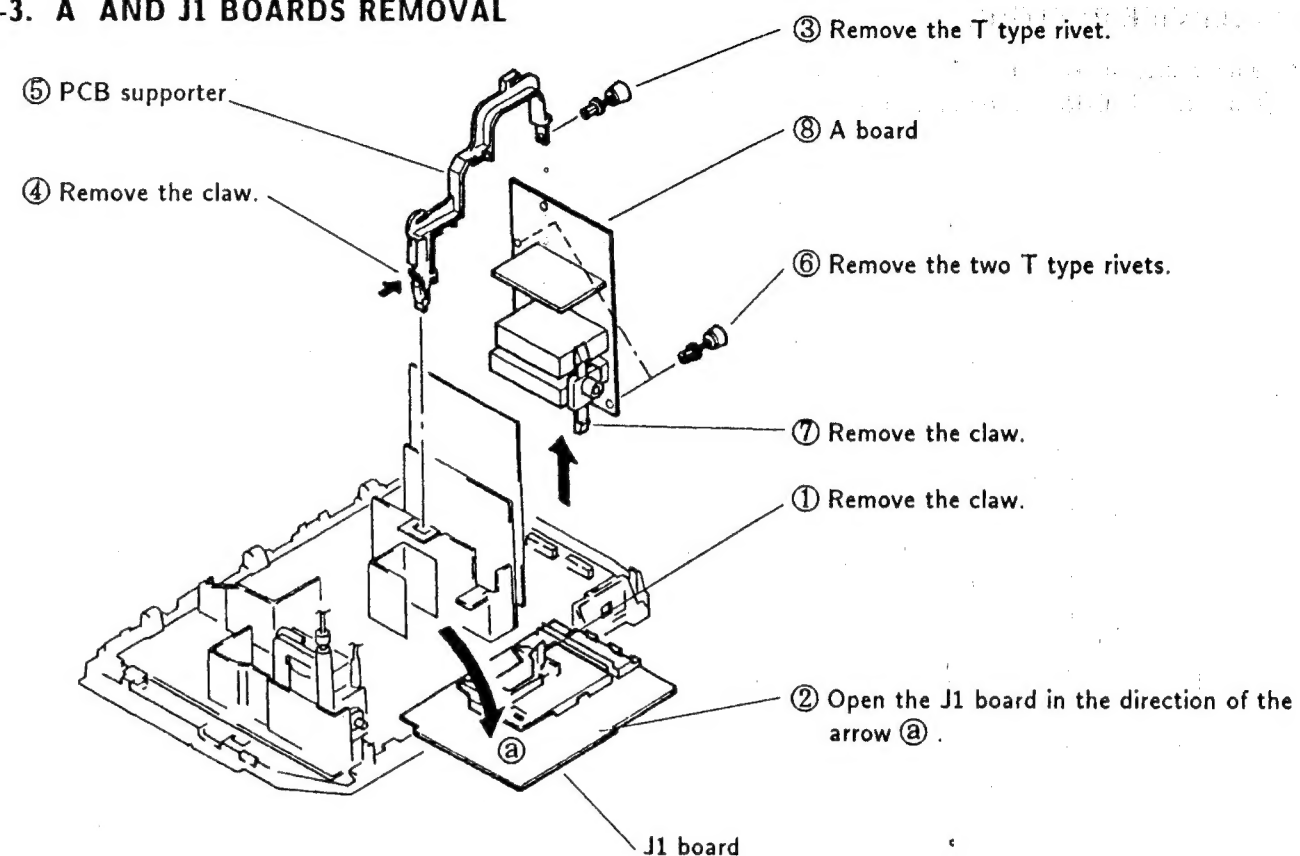
2-1. REAR COVER REMOVAL



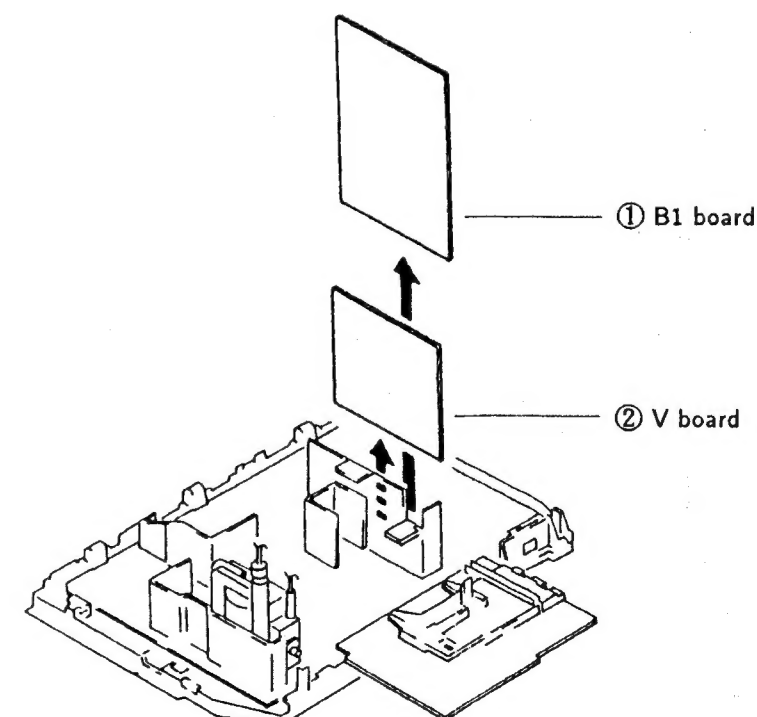
2-2. CHASSIS ASSY REMOVAL



2-3. A AND J1 BOARDS REMOVAL



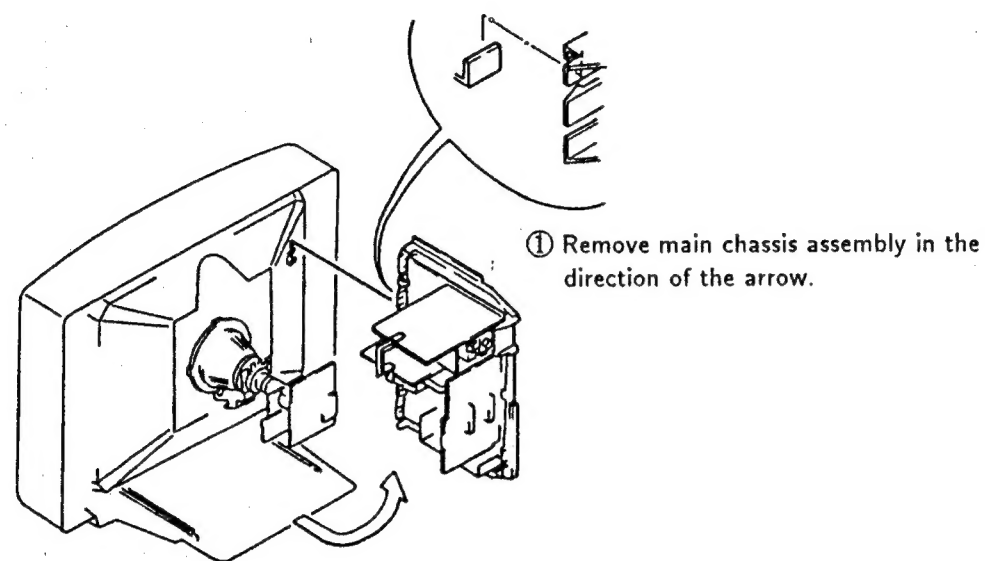
2-4. B1 AND V BOARDS REMOVAL



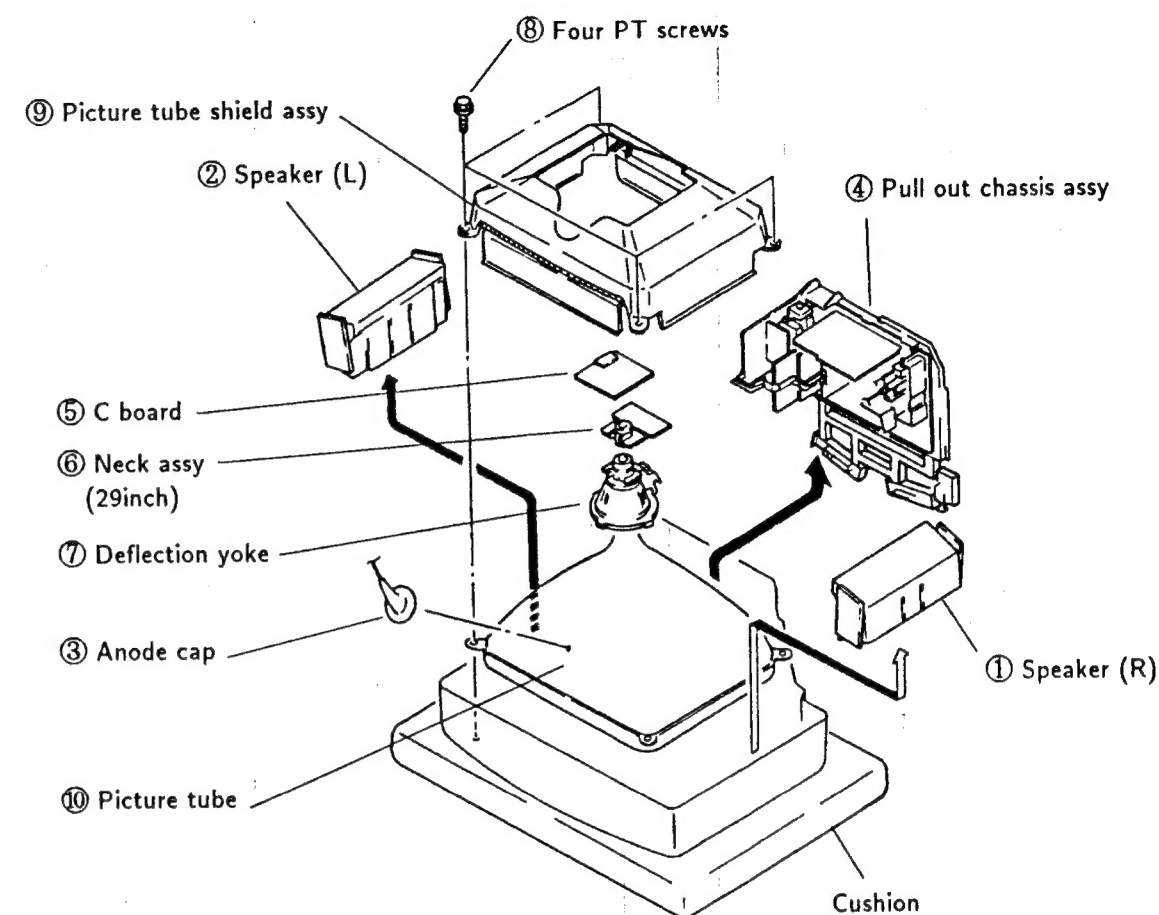
Note: 10 pin extension cable (S-0945-001-0)

2-5. SERVICE POSITION

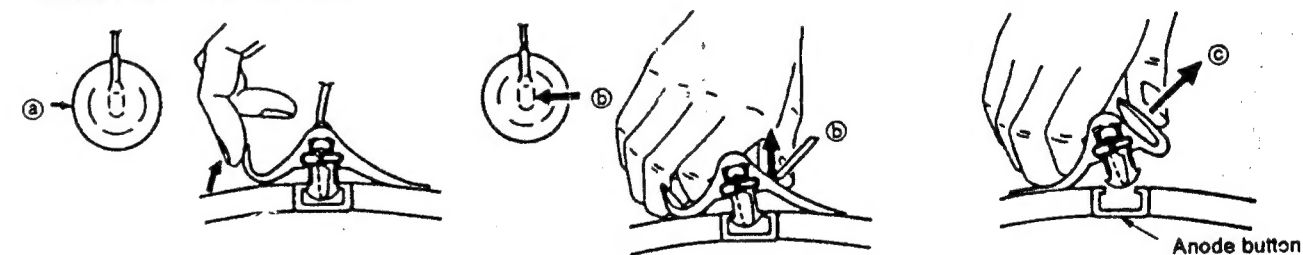
* Remove the connector bracket from the main chassis assembly and then perform the following servicing.
(Refer to 2-2. CHASSIS ASSY REMOVAL.)



2-6. PICTURE TUBE REMOVAL



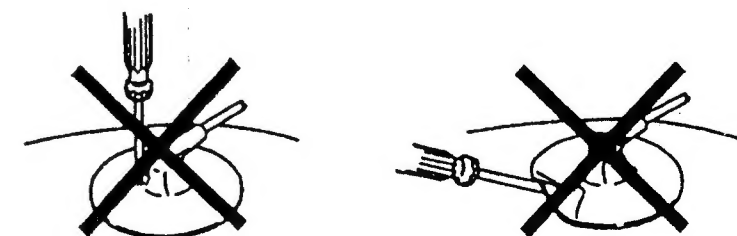
• REMOVAL OF ANODE-CAP
• REMOVING PROCEDURES



- ① Turn up one side of the rubber cap in the direction indicated by the arrow ①.
② Using a thumb pull up the rubber cap firmly in the direction indicated by the arrow ②.
③ When one side of the rubber cap is separated from the anode button, the anode-cap can be removed by turning up the rubber cap and pulling up it in the direction of the arrow ③.

• HOW TO HANDLE AN ANODE-CAP

- ① Don't hurt the surface of anode-caps with sharp shaped material!
② Don't press the rubber hardly not to hurt inside of anode-caps!
A material fitting called as shatter-hook terminal is built in the rubber.
③ Don't turn the foot of rubber over hardly!
The shatter-hook terminal will stick out or hurt the rubber.



SECTION 3 SET-UP ADJUSTMENTS

- The following adjustments should be made when a complete realignment is required or a new picture tube is installed.
- These adjustments should be performed with rated power supply voltage unless otherwise noted.

The controls and switch below should be set as follows unless otherwise noted:

- CONTRAST control 80%
(or Normal by commander)
- ☆ BRIGHTNESS control 50%

Preparations

- In order to reduce the influence of geomagnetism on the set's picture tube face it east or west.
- Switch on the set's power and degauss with the degausser.

3-1. BEAM LANDING

1. Input the white signal with the pattern generator.
Contrast } normal
Brightness }
2. Position neck ass'y as shown in Fig 3-2.
3. Set the pattern generator raster signal to red.
4. Move the deflection yoke to the rear and adjust with the purity control so that the red is at the center and the blue and the green take up equally sized areas on each side.
(See Fig. 3-1 through 3-3.)
5. Move the deflection yoke forward and adjust so that entire screen is red. (See Fig. 3-1.)
6. Switch the raster signal to blue, then to green and verify the condition.
7. When the position of the deflection yoke has been decided, fasten the deflection yoke with the screws.
8. If the beam does not land correctly in all the corners, use a magnet to adjust it.
(See Fig. 3-4.)

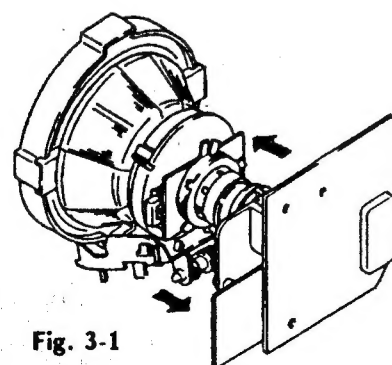


Fig. 3-1

Perform the adjustments in order as follows:

1. Beam Landing
2. Convergence
3. Focus
4. Screen (G2) and White Balance

Note: Test Equipment Required.

1. Color bar/Pattern Generator
2. Degausser
3. DC Power Supply
4. Digital multimeter
5. Oscilloscope

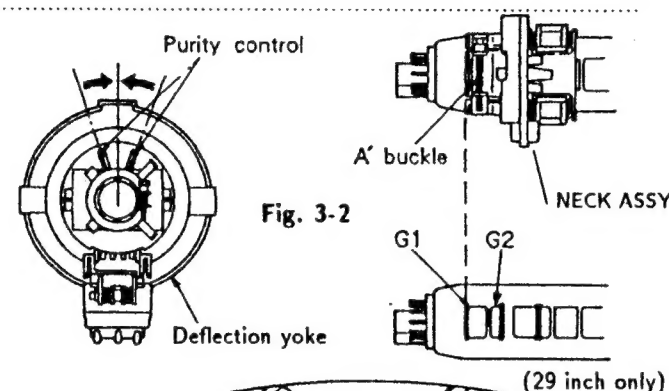


Fig. 3-2

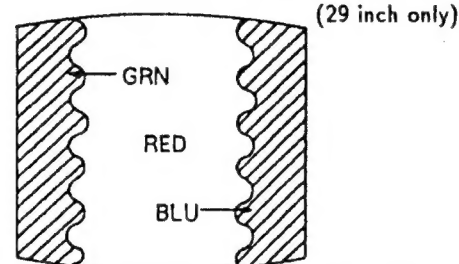


Fig. 3-3

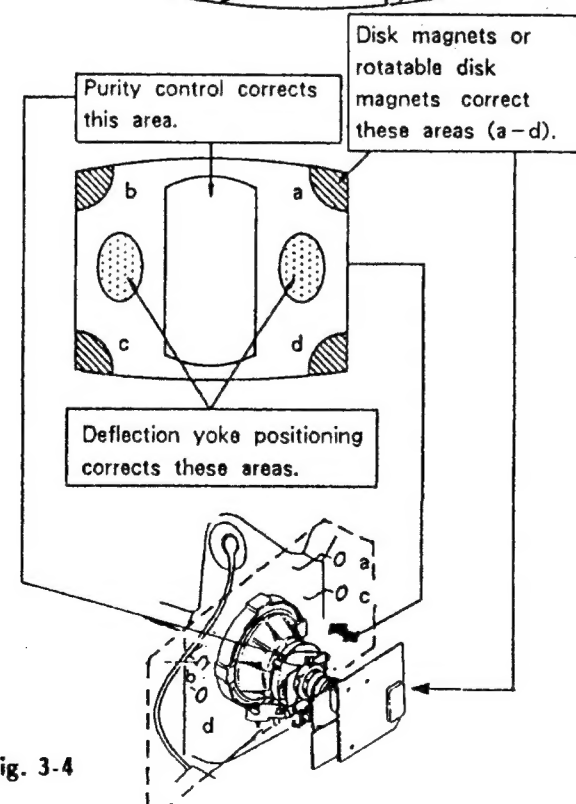


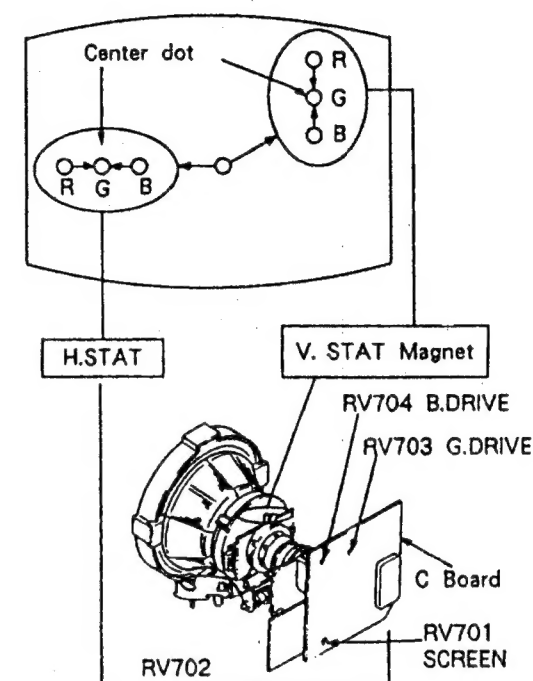
Fig. 3-4

3-2. CONVERGENCE

Preparations:

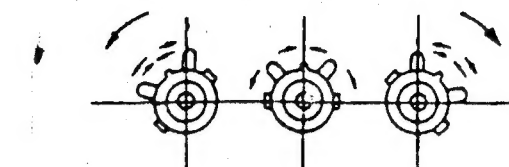
- Before starting this adjustment, adjust the focus, horizontal size, and vertical size.
- Minimize the brightness setting.
- Provide dot pattern.

(1) Horizontal and vertical static convergence

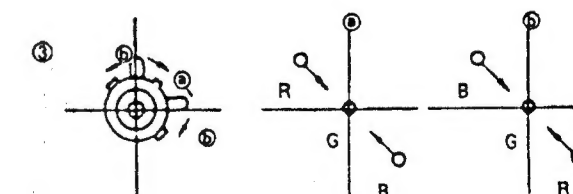
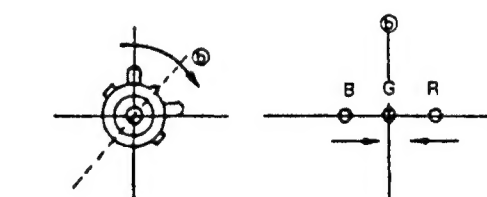
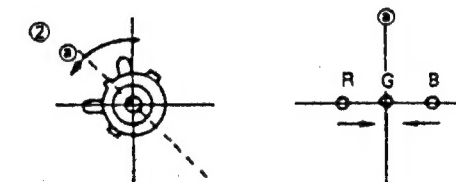
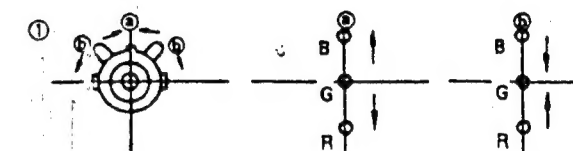


1. (Moving horizontally), adjust the H.STAT control so that the red, green, and blue points are on top of each other at the center of the screen.
2. (Moving vertically), adjust the V.STAT magnet so that the red, green, and blue points are on top of each other at the center of the screen.
3. If the H.STAT variable resistor cannot bring the red, green, and blue points together at the center of the screen, adjust the horizontal convergence with the H.STAT variable resistor and the V. STAT magnet in the manner given below.
(In this case, the H.STAT variable resistor and the V.STAT magnet influence each other)

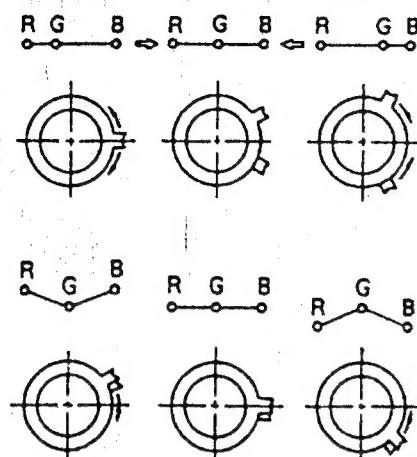
- Tilt the V.STAT magnet and adjust the static convergence by opening or closing the V.STAT magnet.



4. If the V.STAT magnet is moved in the direction of the (a) and (b) arrows, the red, green, and blue points move as shown below.



• Operation of BMC (Hexapole) Magnet

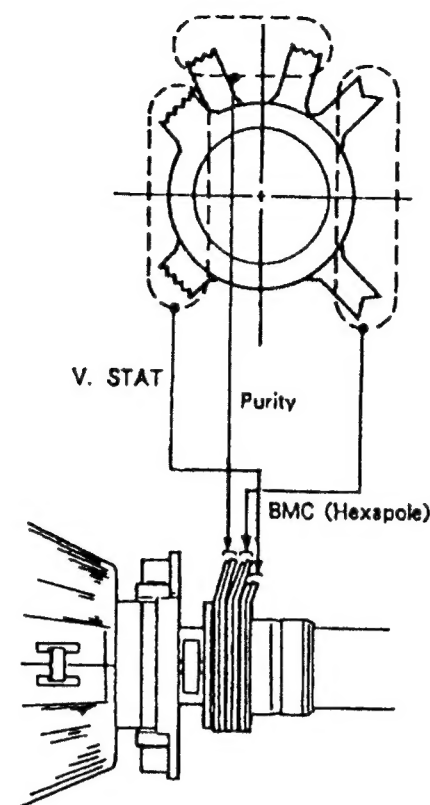
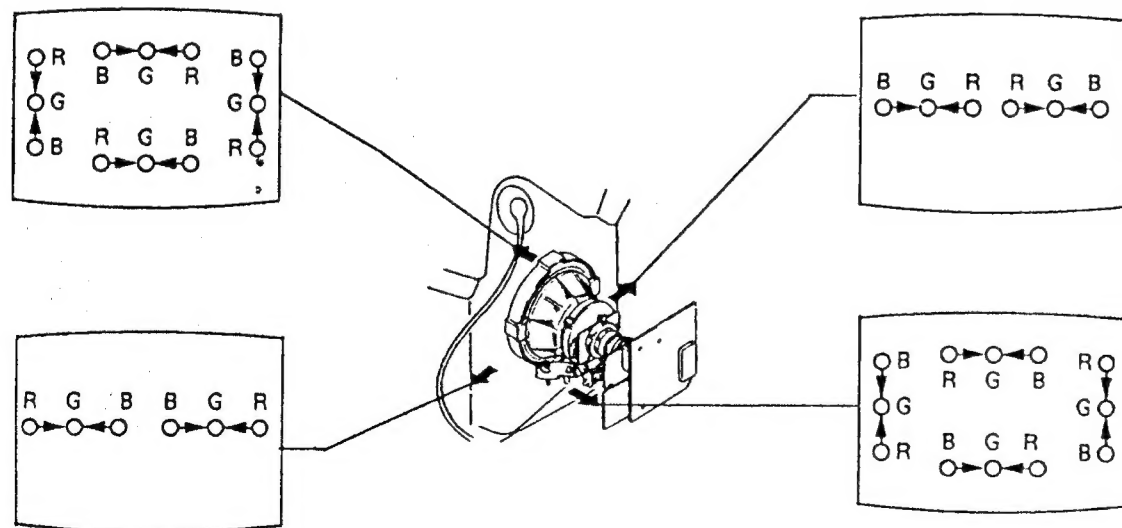


- The respective dot positions resulting from moving each magnet interact, so be sure to perform adjustment while tracking. Use the H. STAT VR to adjust the red, green, and blue dots so they coincide at the center of screen (by moving the dots in the horizontal direction).

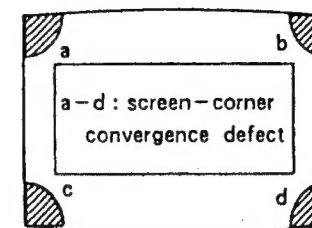
(2) Dynamic convergence adjustment

Preparations :

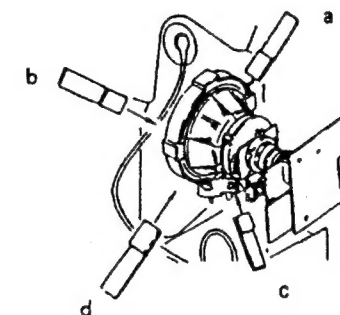
- Before starting this adjustment, adjust the horizontal static convergence and the vertical static convergence.
- Slightly loosen the deflection yoke screws.
- Remove the deflection yoke spacer.
- Move the deflection yoke as shown in the figure below and optimize the convergence.
- Tighten the deflection yoke screws.
- Install the defelection yoke spacer.



(3) Screen corner convergence



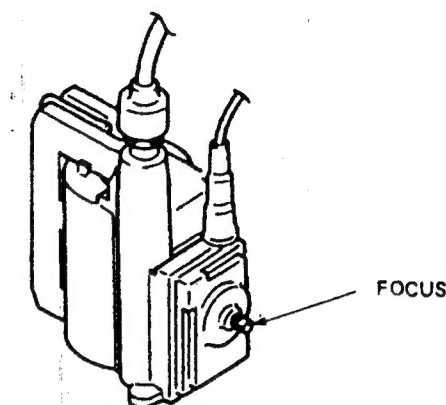
Install the permalloy assembly for the section with faulty.



Permalloy

3-3. FOCUS

Adjust the focus to optimize the screen.



3-4. WHITE BALANCE

[Screen G2 setting]

- Input the dot signal from the pattern generator.
- Set the picture brightness control to its lowest level.
- Apply 170V DC to the R, G, and B cathodes with an external power supply.
- While watching the picture, adjust G2 control RV701 (Screen) to the point just before the return lines disappear.

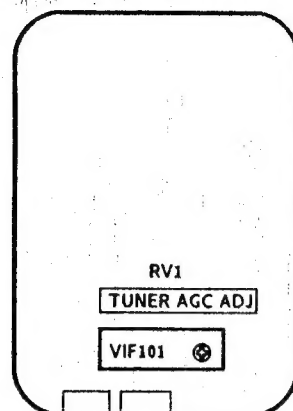
[White balance adjustment]

- Input an all-white signal from the pattern generator.
- Set the picture brightness and color controls to their normal levels.
- Use the RV704 (B Drive) and RV703 (G Drive) to adjust white balance.

In the adjustments below, have the picture color and brightness settings at their normal levels unless there is a specific instruction to the contrary.

SECTION 4 CIRCUIT ADJUSTMENTS

4-1. A BOARD ADJUSTMENTS

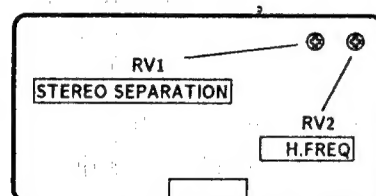


A BOARD (COMPONENT SIDE)

TUNER AGC ADJUSTMENT (VIF101, RV1)

1. Align with an appropriate signal between stations.
2. Adjust RV1 so that snow noise and cross modulation just disappear from the picture.

IFG5.5S SIF



IFG5.5S SIF -component side-

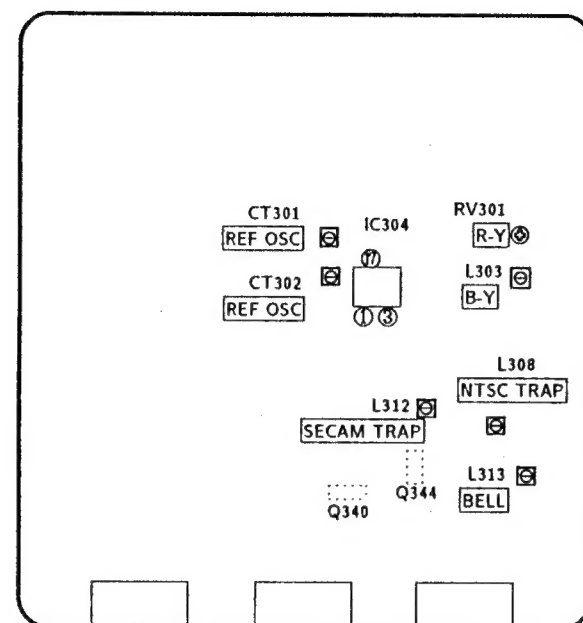
STEREO SEPARATION ADJUSTMENT (RV1)

1. Input stereo signals. (L-CH 400Hz, R-CH 1KHz)
2. Check the stereo indicator.
3. Connect on oscilloscope to pin ⑧ (CH1) of CN1 through band pass filter of 1KHz
4. Adjust RV1 so that 1KHz voltage goes down to the minmum.

H FREQ (RV2)

1. Input a PAL COLOR BAR signal, then connect a jumper between pin ⑫ IC4 and GND.
2. Connect a frequency counter to pin ④ IFG5.5S (HP) of CN1 through a probe of 10 : 1.
3. Adjust RV2 (H.FREQ) $15.625 \pm 50\text{Hz}$.
4. After adjustment, remove the jumper.

4-2. B1 BOARD ADJUSTMENTS



B1 BOARD (COMPONENT SIDE)

REFERENCE OSCILLATOR ADJUSTMENT (CT302 8.8MHz)

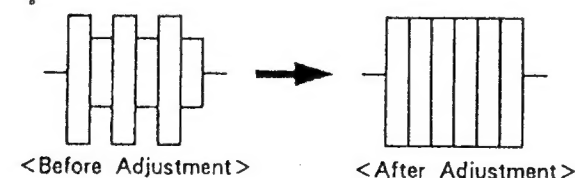
1. Input a PAL color bar signal.
2. Ground pin ⑪ of the IC304.
3. Adjust CT302 to obtain synchronization.

REFERENCE OSCILLATOR ADJUSTMENT (CT301 7.16MHz)

1. Input an NTSC color bar signal.
2. Ground pin ⑪ of IC304.
3. Adjust the CT301 to obtain synchronization.
4. Remove the jumper grounding pin ⑪ of IC304.

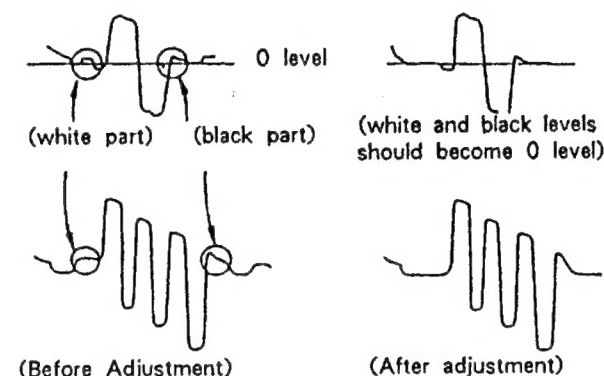
BELL FILTER ADJUSTMENT (L313)

1. Input a SECAM color bar signal.
2. Connect the oscilloscope to the emitter of Q344.
3. Adjust L313 so that the waveform is flat.



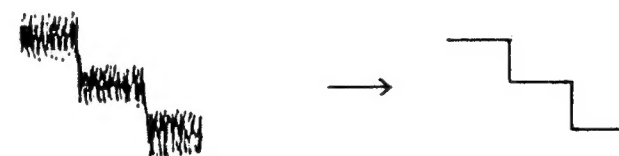
DISCRIMINATION ADJUSTMENTS (RV301 and L303)

1. Input a SECAM color bar signal.
2. Connect the oscilloscope to pin ① of IC304.
3. Adjust RV301 until the white and black sections of the waveform at pin ① are at the 0 level. Connect the oscilloscope to pin ③ of IC304.
4. Adjust L303 until the white and black sections of the waveform at pin ③ are at the 0 level.



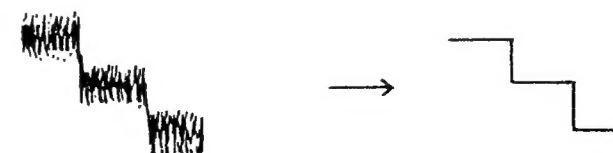
SECAM TRAP (L312)

1. Input a SECAM color bar signal.
2. Connect oscilloscope to Q340 emitter and adjust L312 to minimize color carrier on the Y-signal.

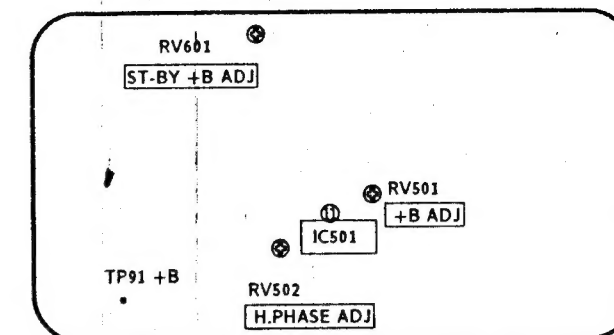


NTSC TRAP (L308)

1. Input a NTSC (3.58) color bar signal.
2. Connect oscilloscope to Q340 emitter and adjust L308 to minimize color carrier on the Y-signal.



4-3. D BOARD ADJUSTMENTS



D BOARD (COMPONENT SIDE)

+B ADJUSTMENT (RV501)

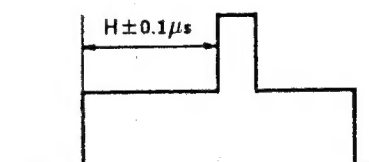
1. Connect the digital multimeter to TP91.
2. Adjust RV501 to obtain $135 \pm 0.2\text{V}$.

ST-BY +B ADJUSTMENT (RV601)

1. Put the system into ⏻ standby mode (remote commander).
2. Connect the digital multimeter to TP91.
3. Adjust RV601 to obtain $135 \pm 3\text{V}$.
4. Take the system out of ⏻ standby mode (remote commander).

H.PHASE ADJUSTMENT (RV502)

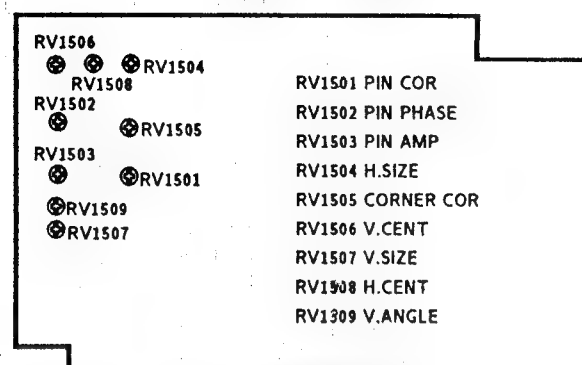
1. Input a PAL color bar signal.
2. Set the picture and brightness controls to their normal levels.
3. Set RV1508 (H.CENT) to its mechanical center.
4. Connect the oscilloscope to pin ⑪ (SCP) of IC 501.
5. Rotate RV502 to adjust to $H \pm 0.1\mu\text{s}$.



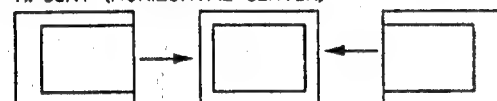
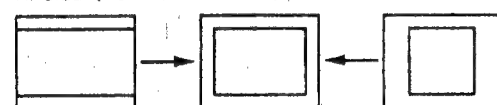
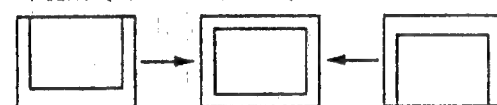
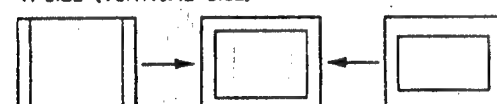
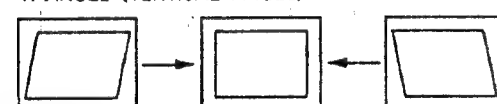
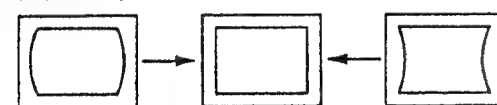
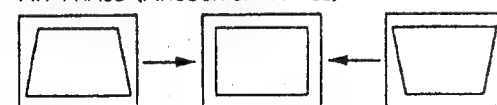
Standard of H. PHASE

Model Size	H
25"	$5.1\mu\text{s}$
29"	$5.5\mu\text{s}$

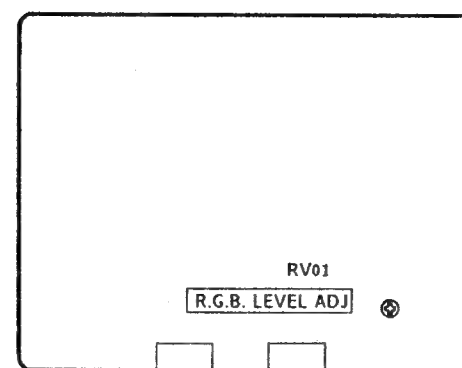
4-4. J1 BOARD ADJUSTMENTS



J1 BOARD (COMPONENT SIDE)

RV1508
H. CENT (HORIZONTAL CENTER)RV1504
H. SIZE (HORIZONTAL SIZE)RV1506
V. CENT (VERTICAL CENTER)RV1507
V. SIZE (VERTICAL SIZE)RV1509
V. ANGLE (VERTICAL ANGLE)RV1503
PIN AMP (PINCUSHION AMPLIFIER)RV1502
PIN PHASE (PINCUSHION PHASE)RV1501
PIN. COR (PINCUSHION CORRECT)RV1505
CORNER COR (CORNER CORRECT)

4-5. V BOARD ADJUSTMENT



V BOARD (COMPONENT SIDE)

RGB LEVEL ADJUSTMENT (RV01)

1. Maximize the picture setting.
2. Adjust RV01 so that the RGB output is 0.75V.

4-6. SECONDARY ADJUSTMENTS

SUB BRIGHTNESS ADJUSTMENT

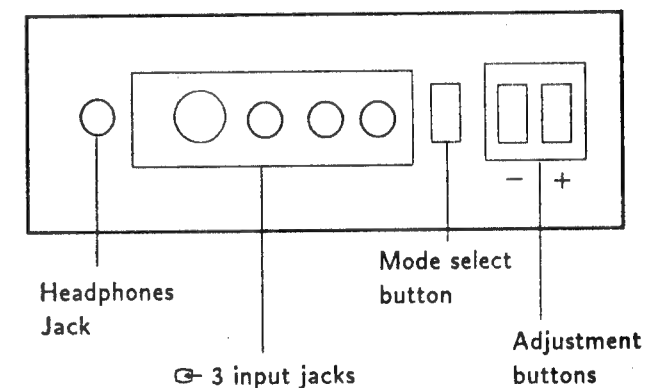
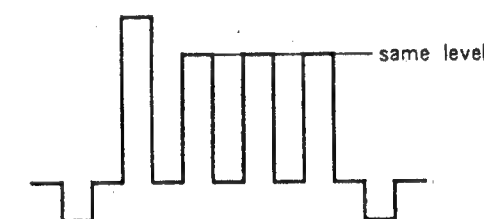
1. Set the system to receive a test pattern.
2. Press → • ← on the remote commander to put the system into normal mode.
3. Switch off the power.
4. While depressing the adjusting buttons + and - simultaneously, turn on the power. (SUB mode is obtained)
5. Minimize the ① contrast setting.
6. Adjust the ⚙ brightness control so that the gray scale 0 IRE section is cut off completely and the 20 IRE section is barely glowing.
7. Depress the ◇ (store) button of the remote commander. (SUB mode is released)

If there is no test color pattern

1. Set the system to receive a color pattern.
2. Press → • ← on the remote commander to put the system into normal mode.
Set the ⑥ color to its normal state.
- 3-5. Steps are the same as above.
6. Since 20 IRE is nearly blue, adjust the ⚙ brightness control so that the blue barely glows.
7. Same as step 7 above.
8. Press → • ← on the remote commander to put the system into normal mode.

SUB COLOR ADJUSTMENT

1. Set the system to receive color bars.
2. Press → • ← on the remote commander to put the system into normal mode.
3. Cut off the power.
4. While depressing the adjustment buttons + and - simultaneously, turn on the power. (SUB mode is obtained).
5. Adjust the color control so that the B out waveform (pin ⑤ of C board connector CNC72) is as shown in the figure below.
6. Depress the ◇ (store) button of the remote commander. (SUB mode is released)



MEMO

RM-816

The schematic diagram illustrates the internal circuitry of the T1010 UV816PLL, divided into two main functional areas: **A** (Audio) and **V** (Video).

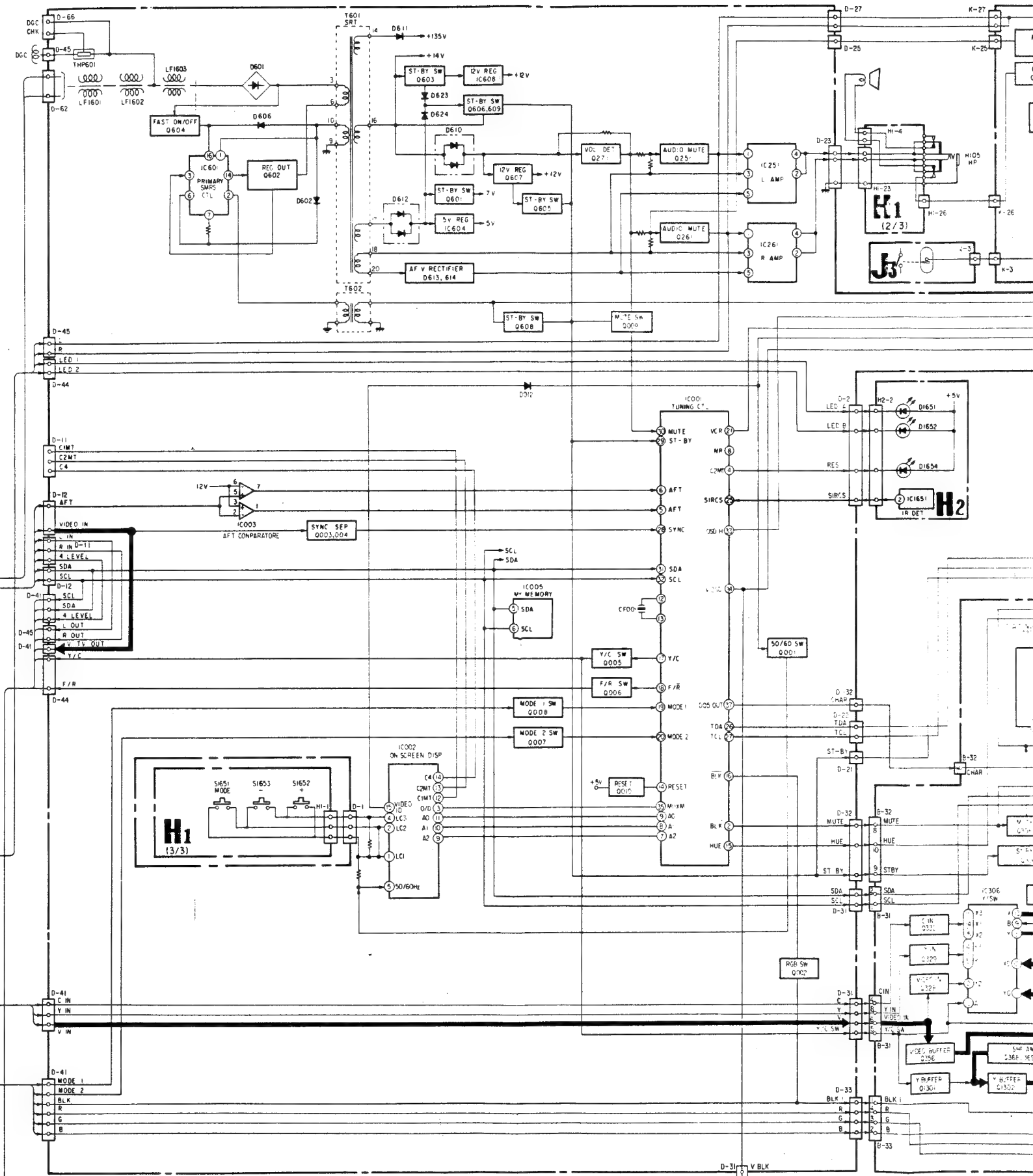
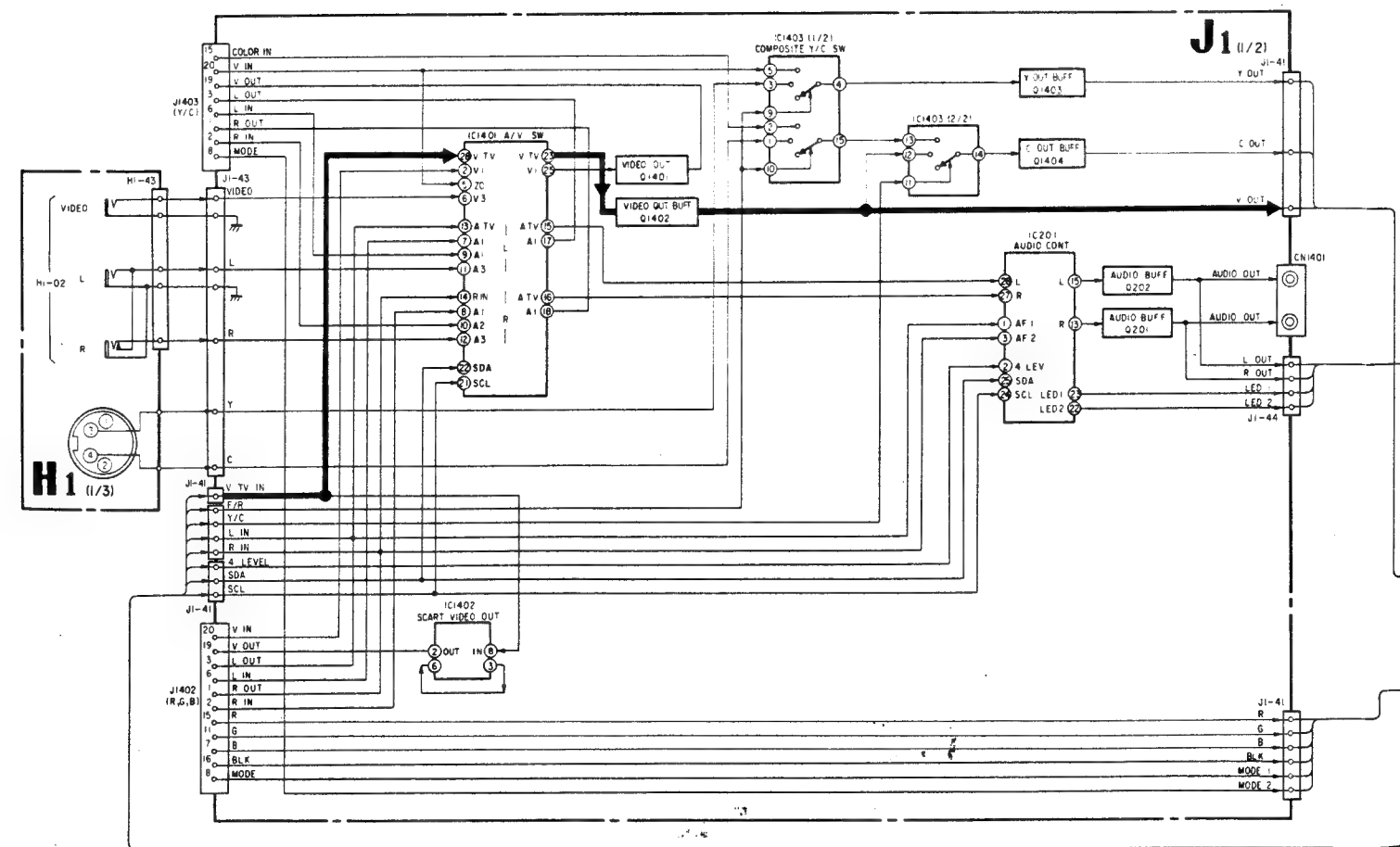
Section V (Video):

- Input Section:** Features a switch (S-1) controlled by F-61 and F-62, connected to an AC IN. The output of this switch is connected to the SCL pin of the T1010 UV816PLL.
- Video Processor:** The T1010 UV816PLL is the central component, with pins for SCL, SDA, AGC, IF, and IF. It is connected to a VIDEO expander (IC103) and a MULTI SW (5 22, 26).
- Video Output:** The VIDEO expander outputs to a VIDEO buffer (MICAM BUF) and a VIDEO switch (MULTI SW). The output of the VIDEO buffer is connected to the VIDEO pin of the T1010 UV816PLL.
- Audio Section:** The AUDIO AMP (G 3, 4) is connected to the AUDIO pin of the T1010 UV816PLL. The output of the AUDIO AMP is connected to the AUDIO pin of the T1010 UV816PLL.

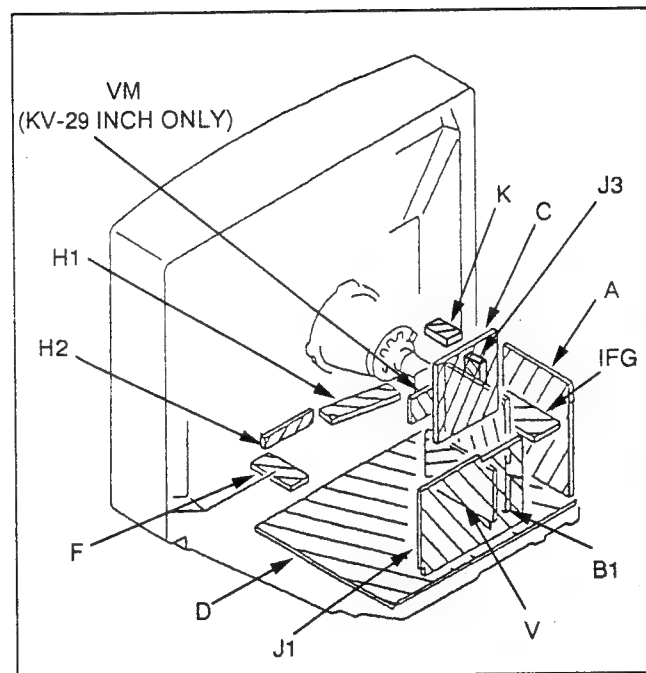
Section A (Audio):

- Audio Input:** The AUDIO AMP (G 3, 4) is connected to the AUDIO pin of the T1010 UV816PLL.
- Audio Output:** The output of the AUDIO AMP is connected to the AUDIO pin of the T1010 UV816PLL.

The diagram also shows various other components and connections, including a 12V supply, a 4-LEVEL output, and a 4-16 output. The overall circuit is designed to process video and audio signals for the T1010 UV816PLL.



5-2. CIRCUIT BOARDS LOCATION



5-3. SCHEMATIC DIAGRAMS AND PRINTED WIRING BOARDS

Note:

- All capacitors are in μF unless otherwise noted.
pF: μF 50WV or less are not indicated except for electrolytic.
- Indication of resistance, which does not have one for rating electrical power, is as follows.

Pitch: 5mm
Rating electrical power: $\frac{1}{4}\text{W}$

- Chip resistor is in $1/10\text{W}$.
- All resistors are in ohms.
k Ω = 1000 Ω , M Ω = 1000K Ω
- : nonflammable resistor.
- : fusible resistor.
- Δ : internal component.
- : panel designation or adjustment for repair.
- All variable and adjustable resistors have characteristic curve B, unless otherwise noted.
- All voltages are in V.
- Readings are taken with a 10M Ω digital multimeter.
- Readings are taken with a color-bar signal input.
- Voltage variations may be noted due to normal production tolerances.
- : B+ bus.
- : signal path.(RF)

Reference information

RESISTOR	RN	: METAL FILM
	RC	: SOLID
	FPRD	: NONFLAMMABLE CARBON
	FUSE	: NONFLAMMABLE FUSIBLE
	RS	: NONFLAMMABLE METAL OXIDE
	RB	: NONFLAMMABLE CEMENT
	RW	: NONFLAMMABLE WIREWOUND
COIL	*	: ADJUSTMENT RESISTOR
	LF-8L	: MICRO INDUCTOR
CAPACITOR	TA	: TANTALUM
	PS	: STYROL
	PP	: POLYPROPYLENE
	PT	: MYLAR
	MPS	: METALIZED POLYESTER
	MPP	: METALIZED POLYPROPYLENE
	ALB	: BIPOLAR
	ALT	: HIGH TEMPERATURE
	ALR	: HIGH RIPPLE

Note: The components identified by shading and mark are critical for safety. Replace only with part number specified.

H1

[CONTROL SW, AV INPUT,
HEADPHONE]

H2

[SIRCS RECEIVER,
INDICATOR]

F

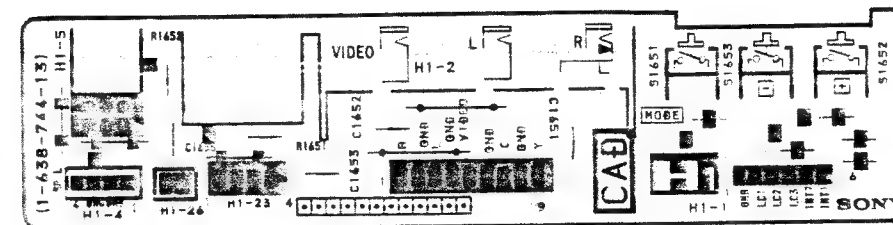
[AC IN,
POWER SW]

J3

[SPEAK]

- H1 Board -

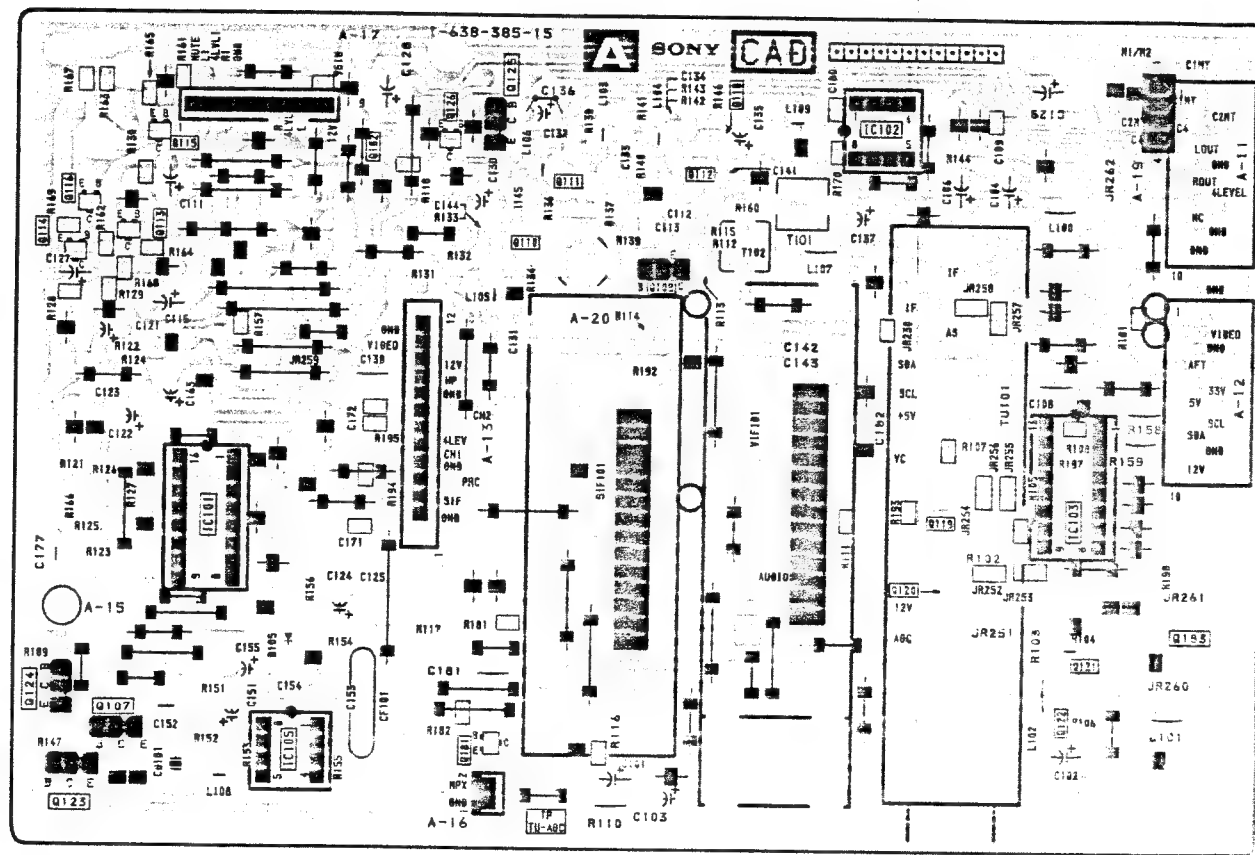
(): 25 INCH



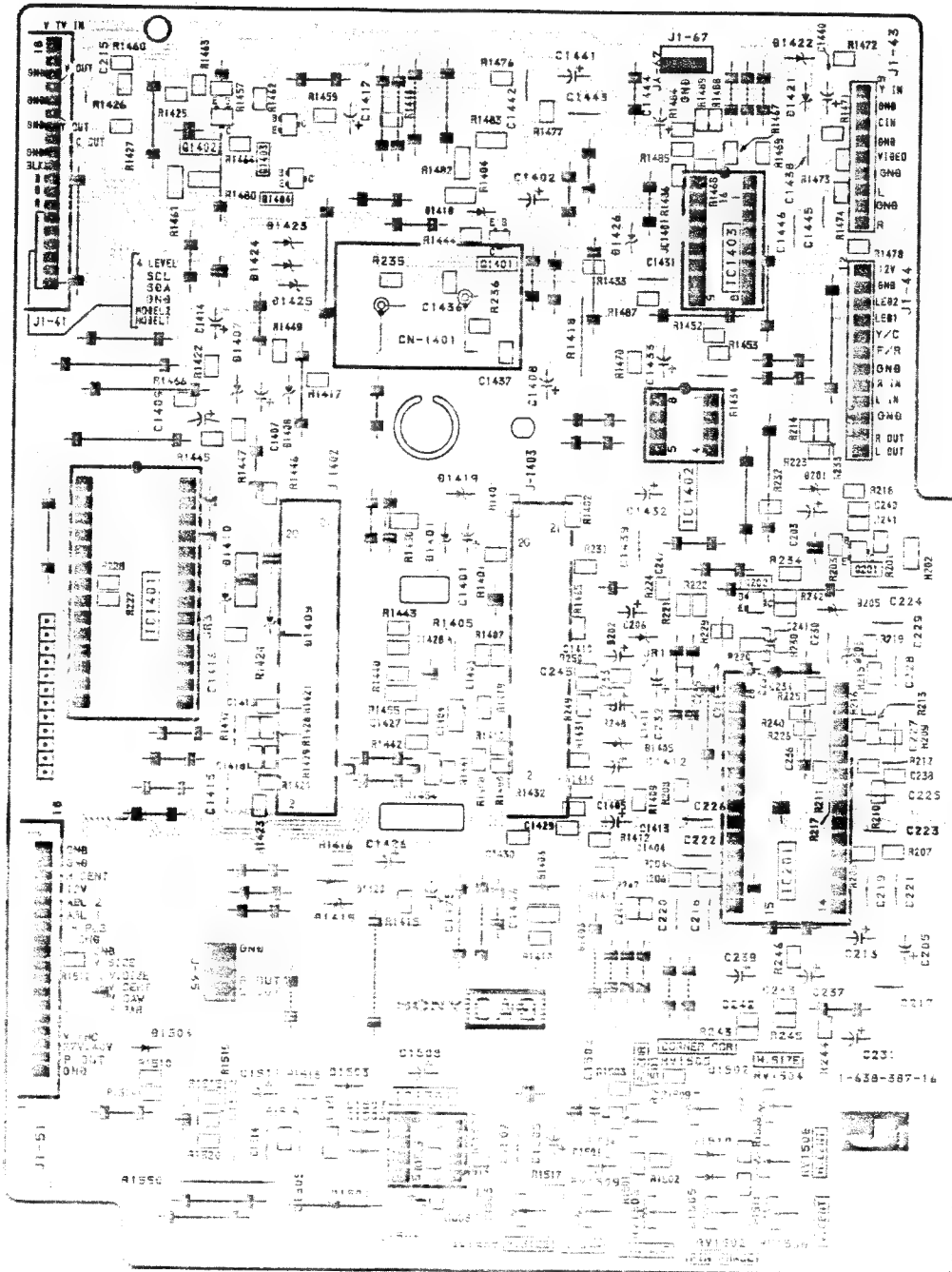
F [AC IN, POWER SW]
 J3 [SPEAKER TERMINAL]
 A [TUNER, SIF, VIF]
 VM [VM AMP]
 J1 [AUDIO CONTROL, AV INPUT, Y/C INPUT, SCART VIDEO OUT, EAST-WEST CORRECTION]

KV-C2571D/C2971D RM-816
 KV-C2571D/C2971D RM-816

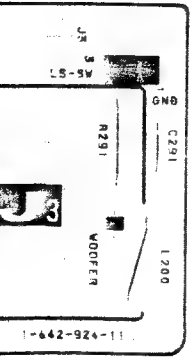
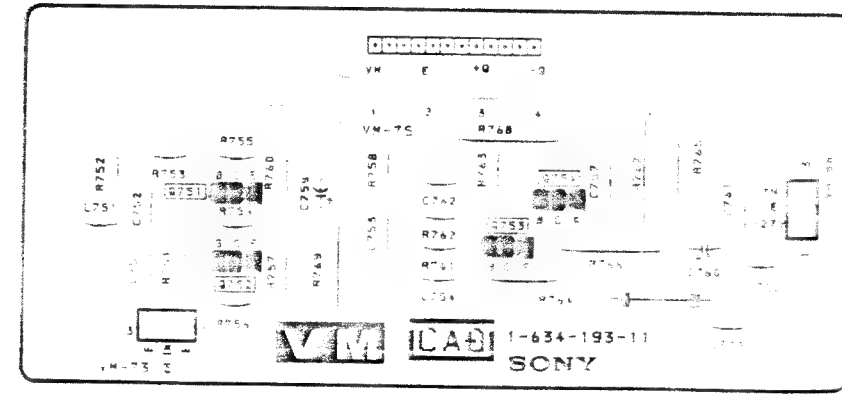
- A Board -



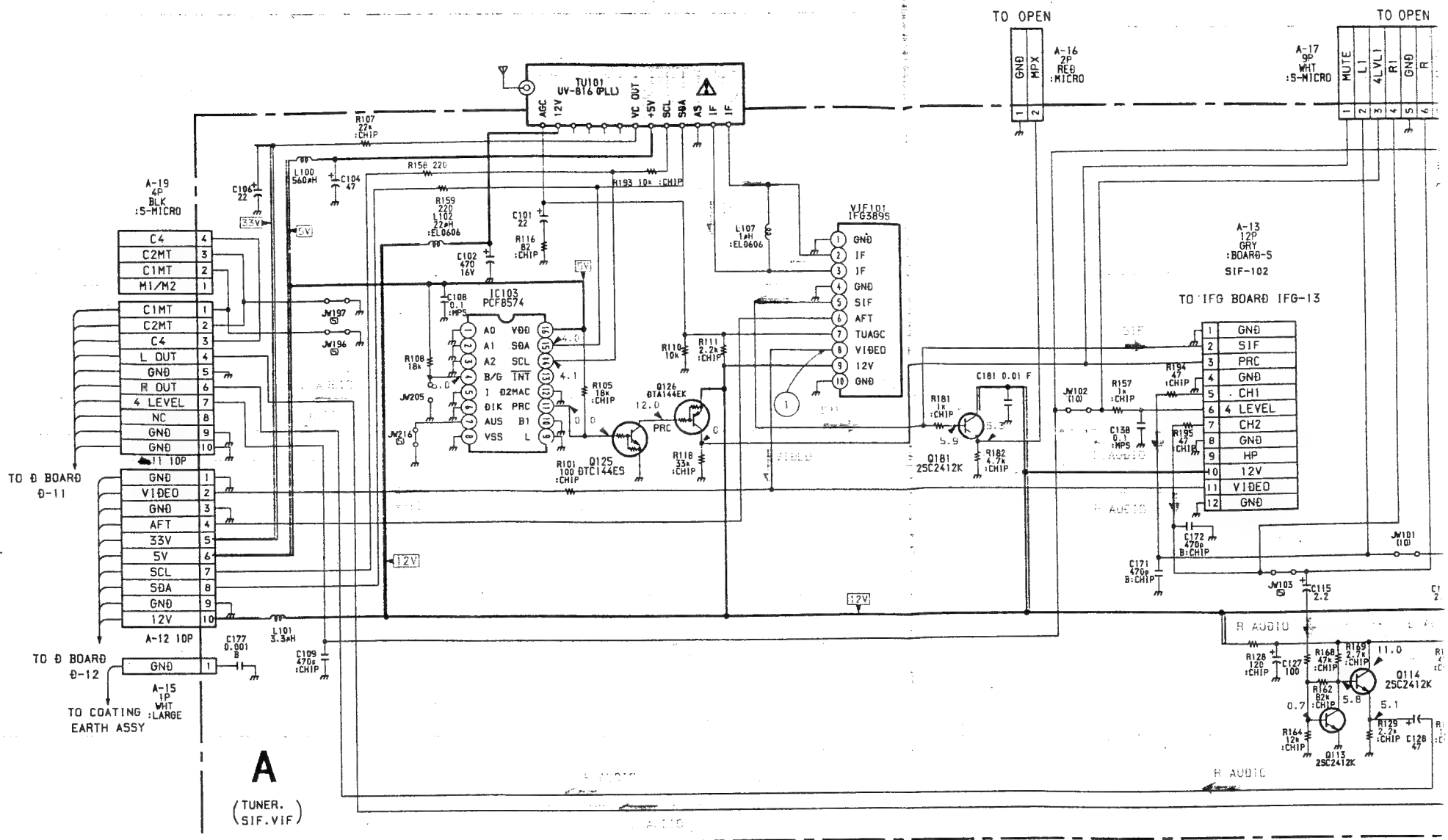
- J1 Board -



- VM Board - (29 INCH ONLY)



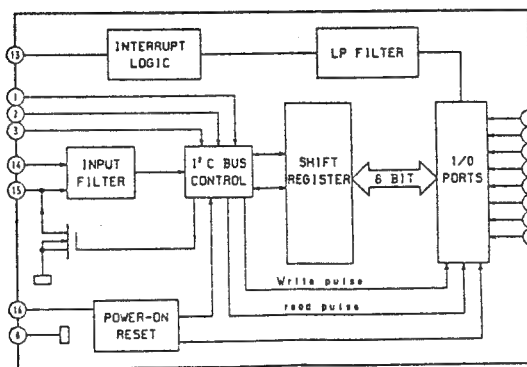
A
B
C
D
E
F
G
H
I
J
K
L
M
N
O



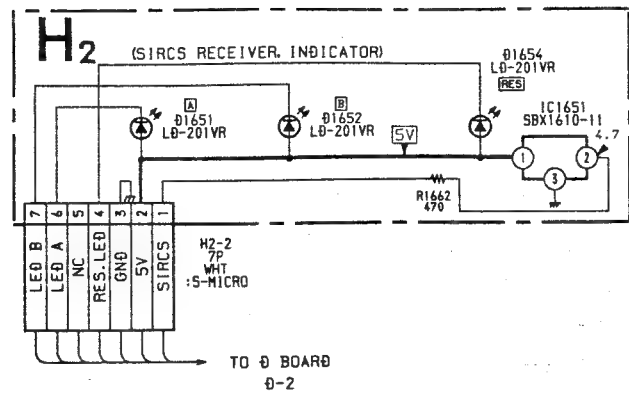
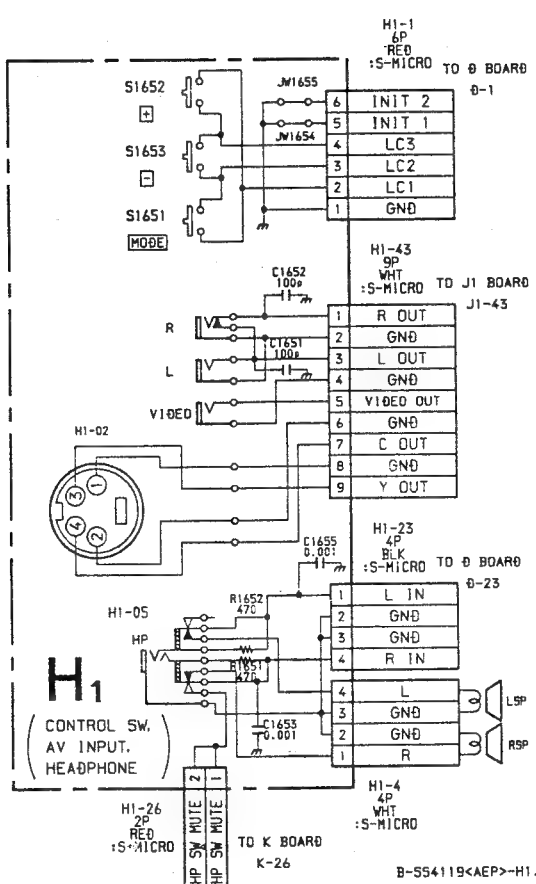
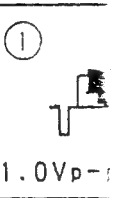
• A BOARD

IC103	PCF8574	EXPANDER
Q113	2SC2412K	AUDIO AMP
Q114	2SC2412K	AUDIO AMP
Q115	2SC2412K	AUDIO AMP
Q116	2SC2412K	AUDIO AMP
Q125	DTC144ES	MUTE SW
Q126	DTA144EK	MUTE SW
Q181	2SC2412K	NICAM BUFFER

• A BOARD IC103 PCF8574

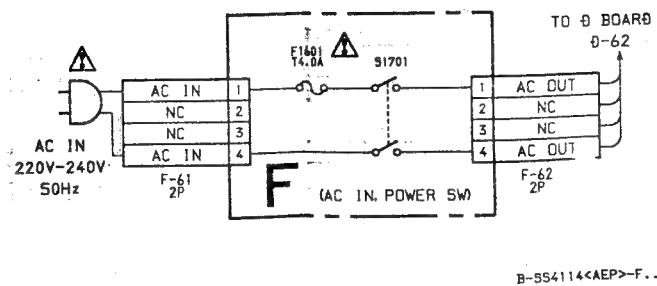


• WAVEFORM

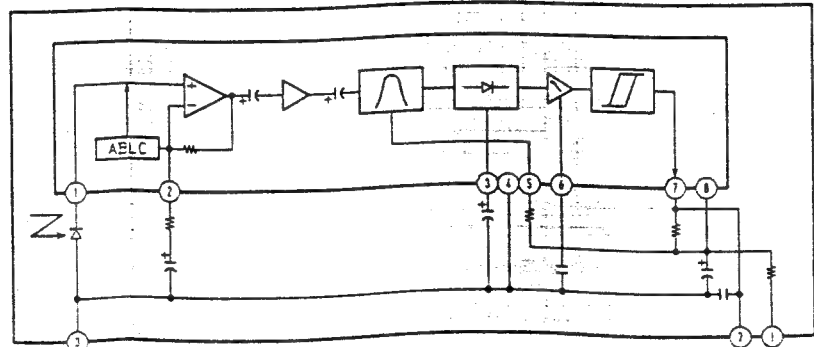


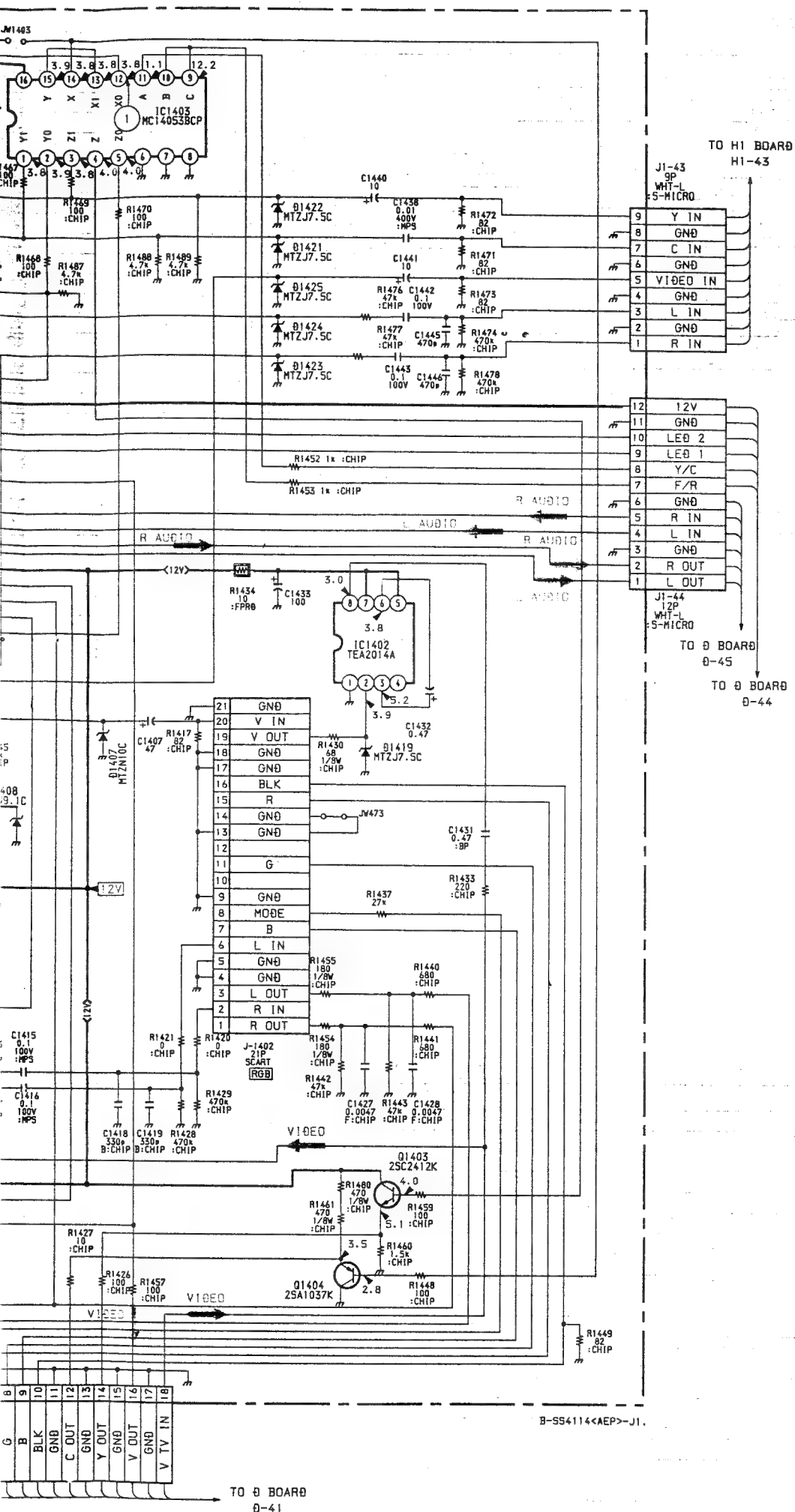
• H2 BOARD

IC1651	SBX1610-11	INFRARED RECIEVER
D1651	LD-201VR	AUDIO CHANNEL A INDICATOR
D1652	LD-201VR	AUDIO CHANNEL B INDICATOR
D1654	LD-201VR	RESET



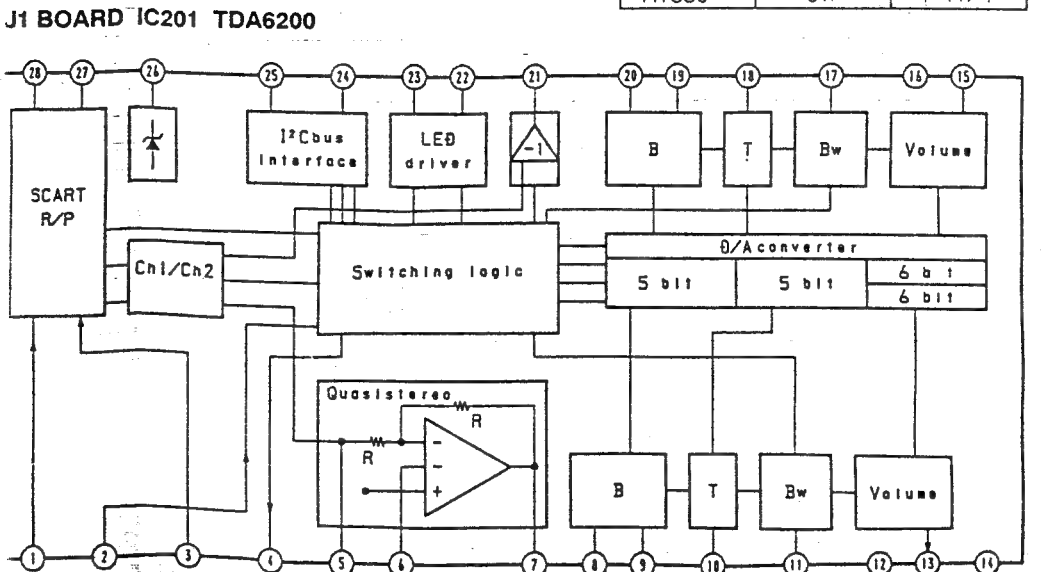
• H2 BOARD IC1651 SBX1610-11





J1 BOARD * MARK

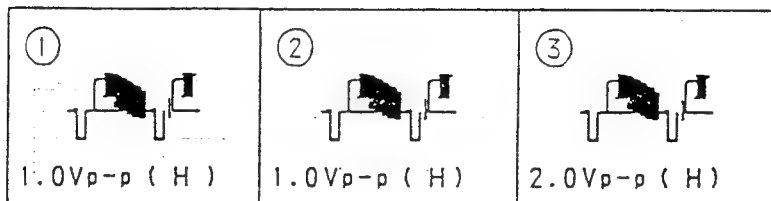
	25"	29"
C1512	0.0068 400V	-
C1514	0.022 250V	-
C1515	820P	-
R1515	680K	-
R1520	470K	390K
R1550	JW	1 1W F



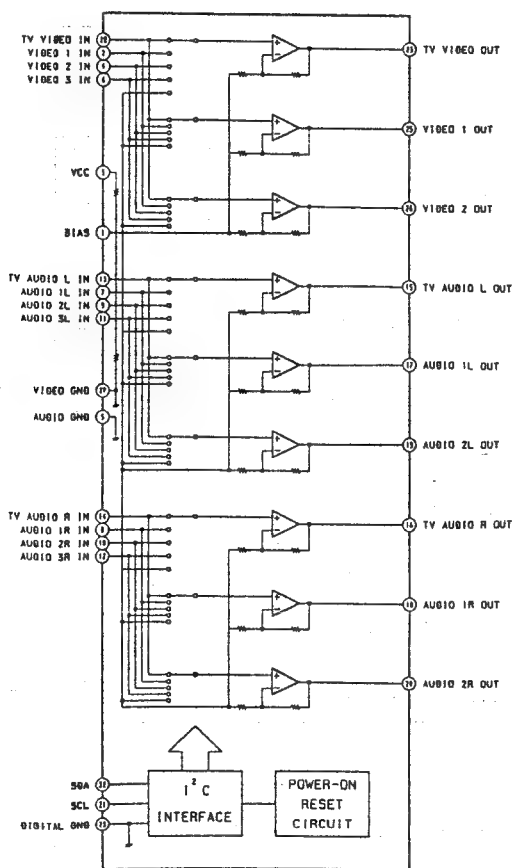
• J1 BOARD

IC201	TDA6200	AUDIO CONTROL
IC1401	CXA1114P	AV SW
IC1402	TEA2014A	SCART VIDEO OUT
IC1403	MC14053BCP	COMPOSITE Y/C SW
IC1501	TEA2031A	EAST-WEST CORRECTION
Q201	2SC2412K	AUDIO R BUFF
Q202	2SC2412K	AUDIO L BUFF
Q1401	2SA1037K	VIDEO OUT
Q1402	2SC2412K	VIDEO OUT BUFF
Q1403	2SC2412K	Y OUT BUFF
Q1404	2SA1037K	C OUT BUFF
D201	MTZJ9.1C	PROTECT
D202	MTZJ9.1C	PROTECT
D205	MTZJ7.5C	PROTECT
D206	MTZJ7.5C	PROTECT
D1401	MTZJ7.5C	PROTECT
D1403	MTZJ7.5C	PROTECT
D1404	MTZJ7.5C	PROTECT
D1405	MTZJ7.5C	PROTECT
D1406	MTZJ7.5C	PROTECT
D1407	MTZN10C	PROTECT
D1408	MTZJ9.1C	REG
D1409	MTZJ9.1C	PROTECT
D1410	MTZJ9.1C	PROTECT
D1415	MTZJ7.5C	PROTECT
D1418	MTZJ7.5C	PROTECT
D1419	MTZJ7.5C	PROTECT
D1420	MTZJ7.5C	PROTECT
D1421	MTZJ7.5C	PROTECT
D1422	MTZJ7.5C	PROTECT
D1423	MTZJ7.5C	PROTECT
D1424	MTZJ7.5C	PROTECT
D1425	MTZJ7.5C	PROTECT
D1426	MTZJ7.5C	PROTECT
D1501	RGP10G	PROTECT
D1502	1SS133	DECOUPLING H SIZE
D1503	1SS133	CLIPPING V PARABORA
D1504	1SS133	CLIPPING H PULSE
D1505	1SS133	REG
D1506	MTZJ36D	PROTECT
D1507	1SS133	PROTECT
D1510	1SS133	REG

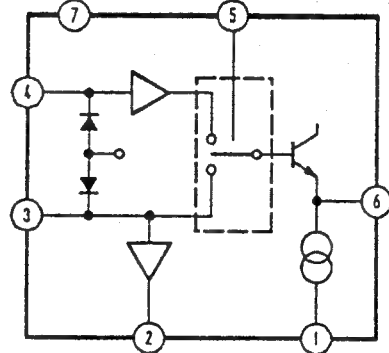
• WAVEFORMS J1 BOARD



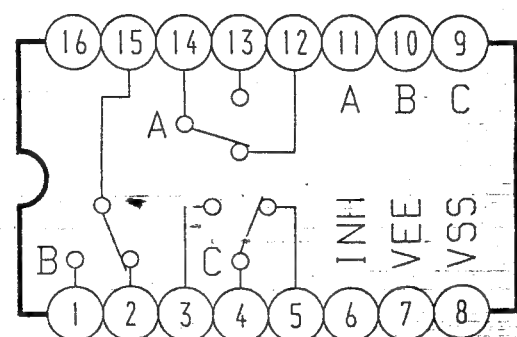
• J1 BOARD IC1401 CXA1114P



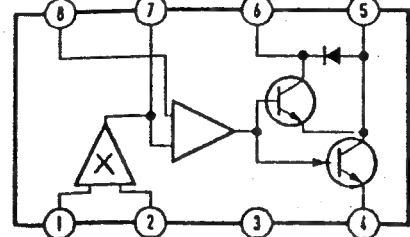
• J1 BOARD IC1402 TEA2014A



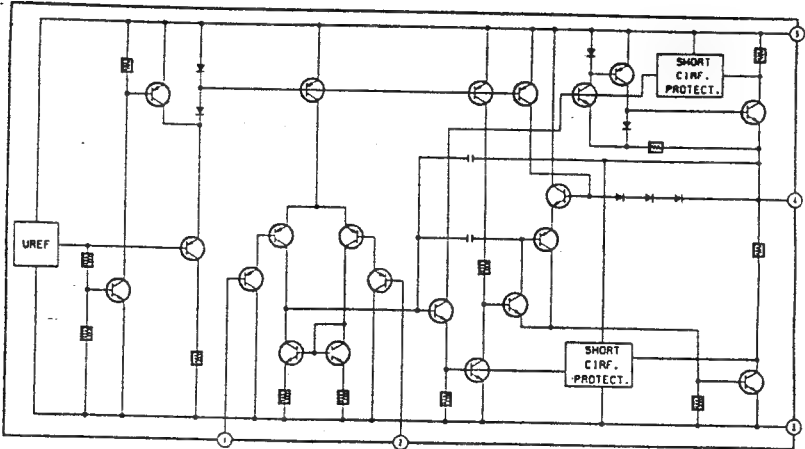
• J1 BOARD IC1403 MC14053BCP



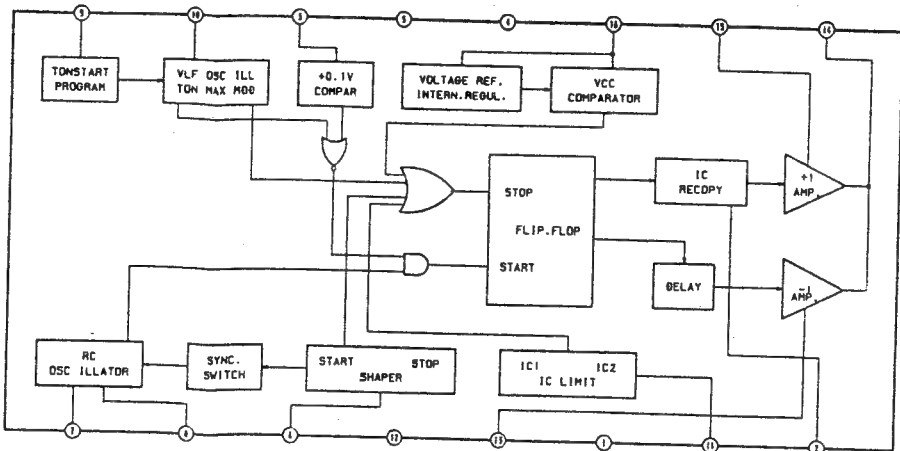
• J1 BOARD IC1501 TEA2031A



• D BOARD IC251/261 TDA2050



• D BOARD IC601 TEA2260

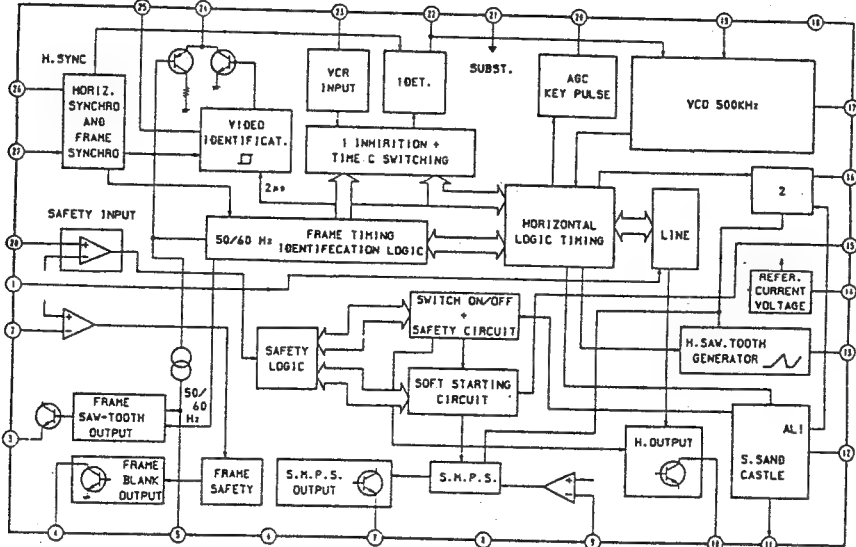


• D BOARD

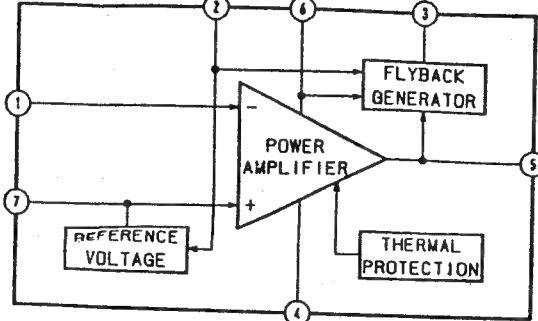
IC001	SDA20560-A012	TI
IC002	MC14051BCP	ON
IC003	BA4558	AF
IC005	SDA2546	M
IC251	TDA2050	AL
IC261	TDA2050	AL
IC501	TEA2028B	DE
IC502	TDA8170	V
IC601	TEA2260	PF
IC604	TEA7605	+
IC608	MC7812CT	+

Q001	DTC144EK	50
Q002	DTC144EK	BL
Q003	2SA1037K	SY
Q004	2SA1037K	SY
Q005	DTC144EK	Y
Q006	DTC144EK	FR
Q007	2SC2412K	MO
Q008	2SC2412K	MO
Q009	2SC2412K	MU
Q010	2SC2412K	RE
Q251	2SC2412K	AU
Q261	2SC2412K	AU
Q271	2SC2412K	VOL
Q502	2SA1037K	COM
Q505	2SD774-4	V C
Q506	2SB734-3	V C
Q507	2SA1037K	CAN
Q598	2SA1037K	VIDE
Q601	2SB1357T114EF	STB
Q602	2SD1548	REG
Q603	2SB1357T114EF	STB
Q604	2SA1037K	FAST
Q605	2SC2412K	STB
Q606	2SC2412K	STB
Q607	2SD2096	+ 12
Q608	2SC2412K	STB
Q609	2SD789-3	STB
Q801	2SC2412K	ABL
Q804	2SD1941-06	H OL
Q805	2SC2688-L	H DF

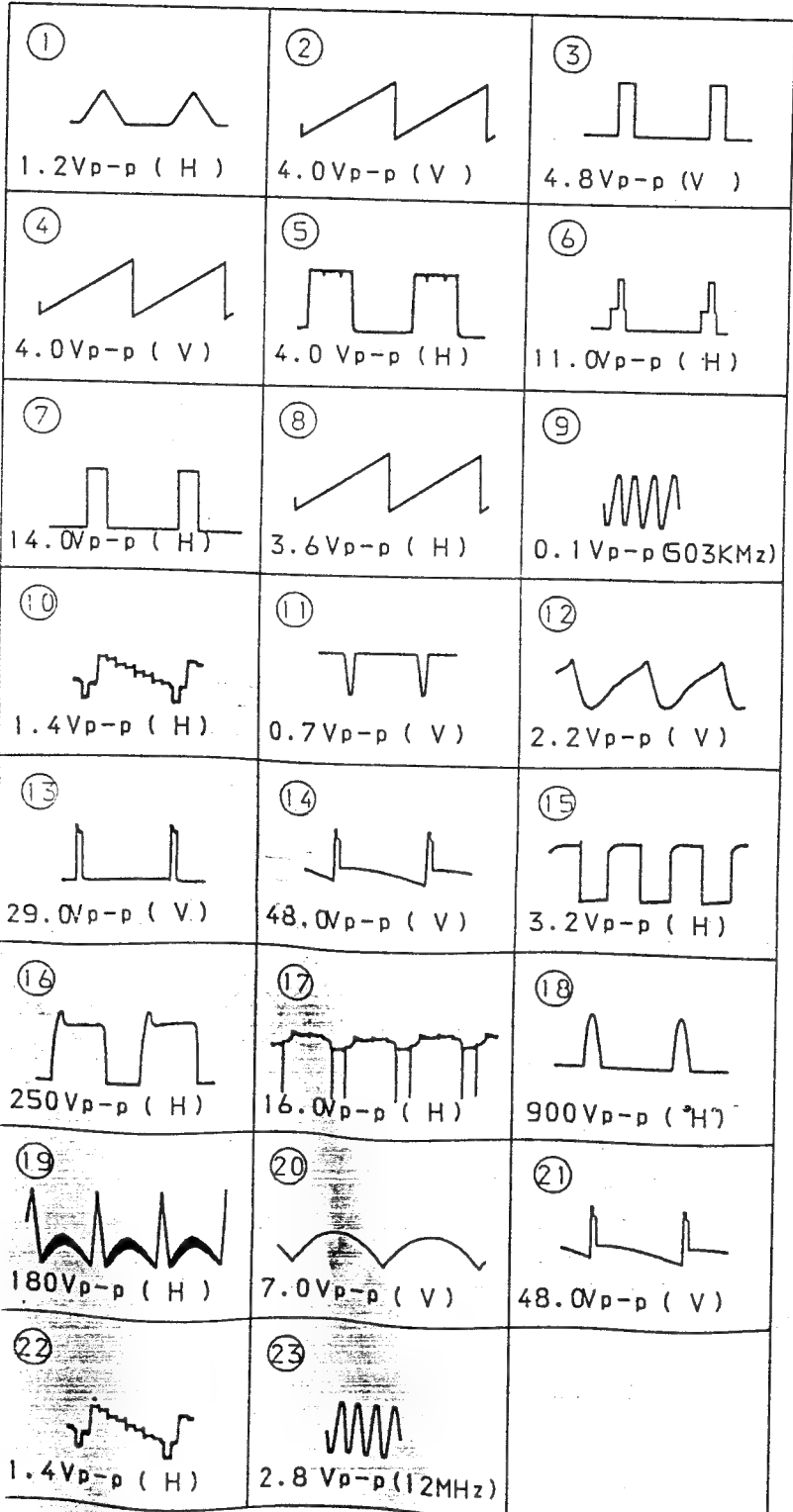
• D BOARD IC501 TEA2028B



• D BOARD IC502 TDA8170



• WAVEFORMS D BOARD

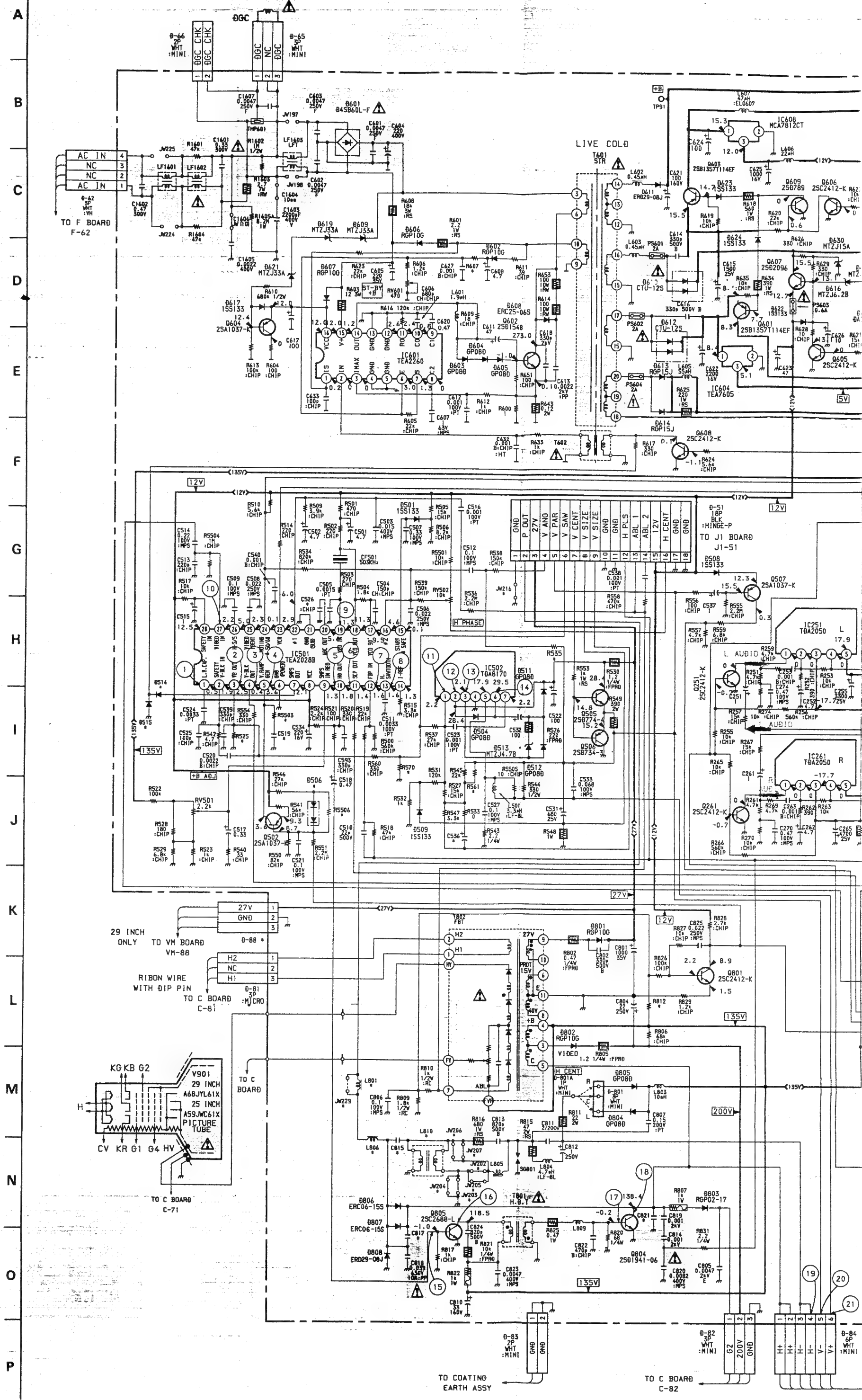


D BOARD * MARK

	25"	29"		25"	29"
C519	0.47	0.33	JW216	15mm	-
C526	27P	22P	JW229	10mm	-
C815	1 200V	0.82 200V			
C817	0.015 1.4KV	0.017 1.4KV	L801	-	3.9mH
C821	680P 2KV	470P 2KV	L806	DRAM CORE	HCC DUST
D-18	-	2.5MM PITCH	L810	(CDI)	CORE 3.9mH
D-88	-	3P		PMC	PMT
D271	MTZJ-12C	MTZJ-13B	R077	-	1K
D506	DA204K	-	R525	1K	-
D514	5mm JW	1SS133	R561	-	270K
D515	-	1SS133	R570	-	680
			R607	4.7K	5.6K
			R631	27K 2W	-
JW202	-	5mm	R812	68K 1/2W	51K 1/2W
JW203	5mm	-	R5503	4.7	10
JW204	5mm	-	R5506	-	12K
JW205	-	5mm			
JW206	5mm	-			
JW207	5mm	-			

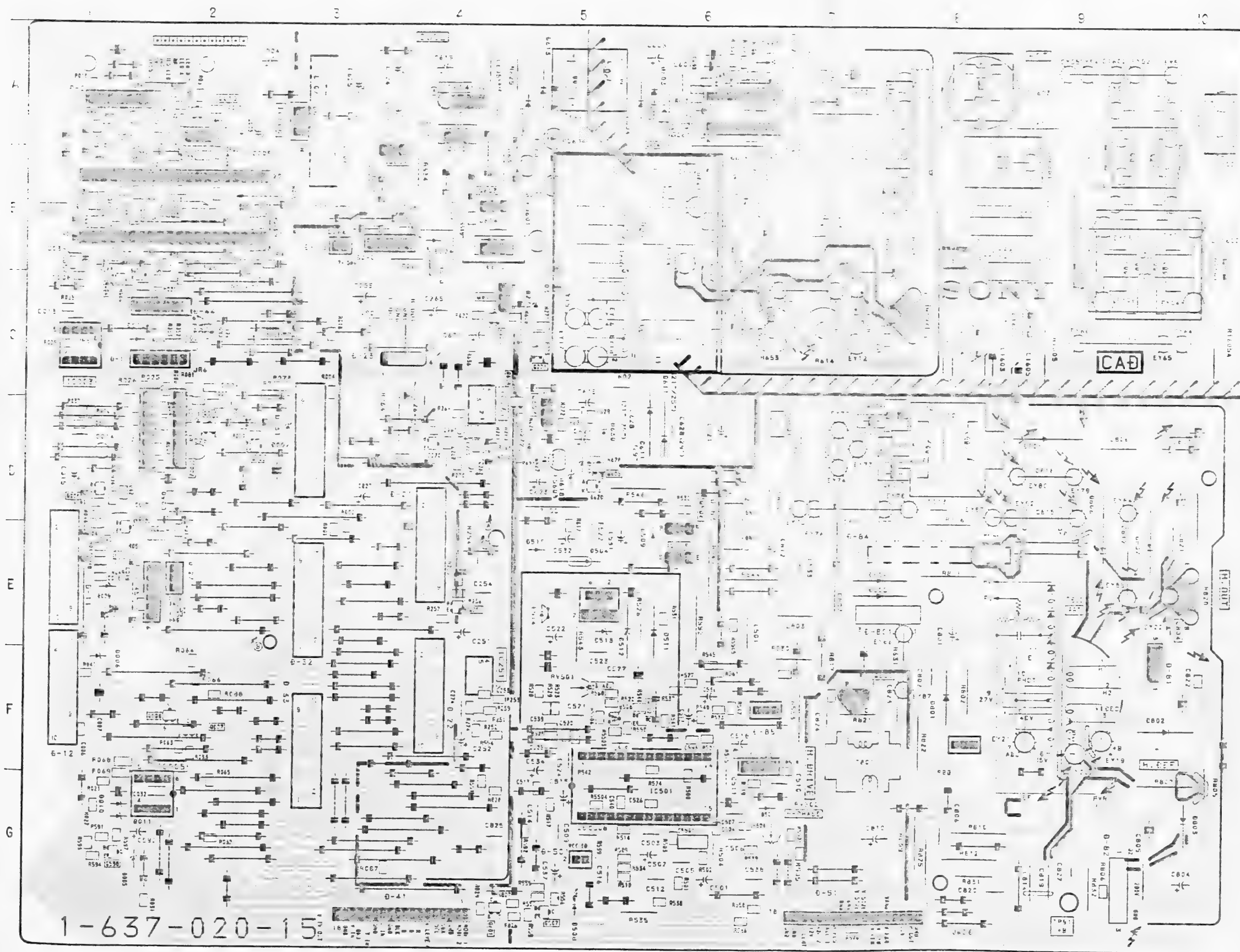
D001	MTZJ6.8C	PROT
D002	MTZJ6.8C	PROT
D003	1SS133	HUE
D005	MTZJ5.6B	PROT
D006	MTZJ33A	VC V
D007	MTZJ3.9B	PLOT
D009	MTZJ5.6B	CLIPP
D010	MTZJ6.2B	PROT
D011	MTZJ6.2B	PROT
D012	1SS133	PROT
D013	MTZJ6.8C	PROT
D271	MTZJ13B	VOLTA
D272	1SS133	DECOL
D501	1SS133	STAR
D504	GP08D	V PUL
D506	DA204K	CURRE
D508	1SS133	CANAL
D509	1SS133	V LIN
D511	GP08D	PROT
D512	GP08D	PROT
D513	MTZJ4.7B	PROT
D514	1SS133	PROT
D515	1SS133	PROT
D601	D4SB60L-F	AC RE
D602	RGP10G	REF RE
D603	GP08D	SMPS
D604	GP08D	SMPS
D605	GP08D	SMPS
D606	RGP10G	+ 12V
D607	RGP10G	REF RE
D608	ERC25-06S	PLUSE
D609	MTZJ33A	FAST C
D610	CTU-12S	+ 14V F
D611	ERD29-08J	+ 135V
D612	CTU-12S	+ 7V R
D613	RGP15J	AF V F
D614	RGP15J	AF V F
D616	MTZJ6.2B	+ 12V F
D617	1SS133	PROT
D618	MTZJ5.6B	+ 12V F
D619	MTZJ33A	FAST C
D620	DA204K	+ 12V F
D621	MTZJ33A	FAST O
D622	1SS133	PROT
D623	1SS133	DECOUPL
D624	1SS133	DECOUPL
D630	MTZJ15A	+ 12V F
D801	RGP10G	+ 27V F
D802	RGP10G	+ 200V
D803	RGP02-17	G2 RECT
D804	GP08D	H CENTE
D805	GP08D	H CENTE
D806	ERC06-15S	H DAMP
D807	ERC06-15S	H DAMP
D808	ERD29-08J	PIN DAM

- UNING CTL
N SCREEN DISPLAY
FT COMPARATOR
Y MEMORY
UDIO OUT (L)
UDIO OUT (R)
EFLECTION PROCESSOR
OUT
RIMARY SMRS CTL
5V REG
12V REG
/60Hz SW
K SW
YNC SEPARATOR
YNC SEPARATOR
/C SW
RONT/REAR SW
ODE 2 SW
ODE 1 SW
UTE SW
ESET
UDIO MUTE
UDIO MUTE
LTAGE DETECT
Nstant CURRENT SOURCE
CENT
CENT
ANAL + BLK
DEO AMP
TBY SW
EG OUT
TBY SW
AST ON/OFF
TBY SW
TBY SW
12V REG
TBY SW
TBY SW
BL AMP
OUT
DRIVER
ROTECT
ROTECT
JE CTL
ROT
C VOLTAGE REGULATION
OT RESET
IPPING SYNC LEVEL
ROT
ROT
ROT
ROT
OLTAGE DETECT
ECOUPLING MUTE AUDIO
ART
PULSE OUT
RRENT (25 INCH ONLY)
ANAL + BLK LEVEL
LIN
ROT
ROT
ROT
OT (29 INCH ONLY)
OT (29 INCH ONLY)
RECT
F RECT
PS DRIVE 1
PS DRIVE 2
PS DRIVE 3
2V RECT
F RECT
USE CLIPPER
ST ON/OFF
4V RECT
35V RECT
V RECT
V RECT 1
V RECT 2
2V REG
OT
2V REF
ST ON/OFF 2
2V REF
ST ON/OFF 3
OT
COUPLING STBY
COUPLING STBY
2V RECT
27V RECT
00V RECT
RECT
CENTER 1
CENTER 2
DAMPER 1
DAMPER 2
DAMPER



D [TUNING CONTROL, POWER CONTROL,
AUDIO OUT, H/V OUT]

- D Board -



IC		D012	C-1
IC001	B-2	D013	D-2
IC002	D-2	D271	C-5
IC003	C-1	D272	D-5
IC005	G-2	D501	G-7
IC251	F-4	D504	E-5
IC261	D-4	D508	G-5
IC501	G-6	D509	E-6
IC502	E-5	D511	E-6
IC601	A-6	D512	E-5
IC604	A-4	D513	E-5
IC608	A-3	D514	E-5
		D515	E-5
		D601	A-8
		D602	C-6
		D603	A-6
		D604	A-5
		D605	B-6
		D606	B-6
		D607	B-6
		D608	C-7
		D609	B-6
		D610	B-4
		D611	D-6
		D612	A-4
		D613	A-5
		D614	A-5
		D616	D-5
		D617	B-6
		D618	D-5
		D619	B-6
		D620	D-5
		D621	B-6
		D622	D-5
		D623	B-4
		D624	B-4
		D630	D-5
		D801	F-8
		D802	F-10
		D803	G-3
		D804	E-7
		D805	E-7
		D806	E-9
		D807	E-10
		D808	D-9
TRANSISTOR		VARIABLE RESISTOR	
Q001	D-2	RV501	F-5
Q002	D-2	RV502	G-7
Q003	D-1	RV601	A-6
Q004	E-1		
Q005	C-1		
Q006	C-1		
Q007	F-2		
Q008	F-2		
Q009	C-3		
Q010	A-2		
Q251	E-4		
Q261	D-4		
Q271	C-5		
Q502	F-6		
Q505	E-6		
Q506	E-6		
Q507	G-5		
Q598	G-1		
Q601	B-3		
Q602	C-8		
Q603	B-4		
Q604	A-6		
Q605	D-5		
Q606	C-4		
Q607	D-5		
Q608	C-4		
Q609	C-4		
Q801	G-4		
Q804	E-10		
Q805	F-7		
DIODE		TP	
D001	A-2	TP91	G-9
D002	D-3		
D003	A-2		
D005	G-1		
D006	F-1		
D007	A-2		
D009	E-1		
D010	G-1		
D011	G-1		

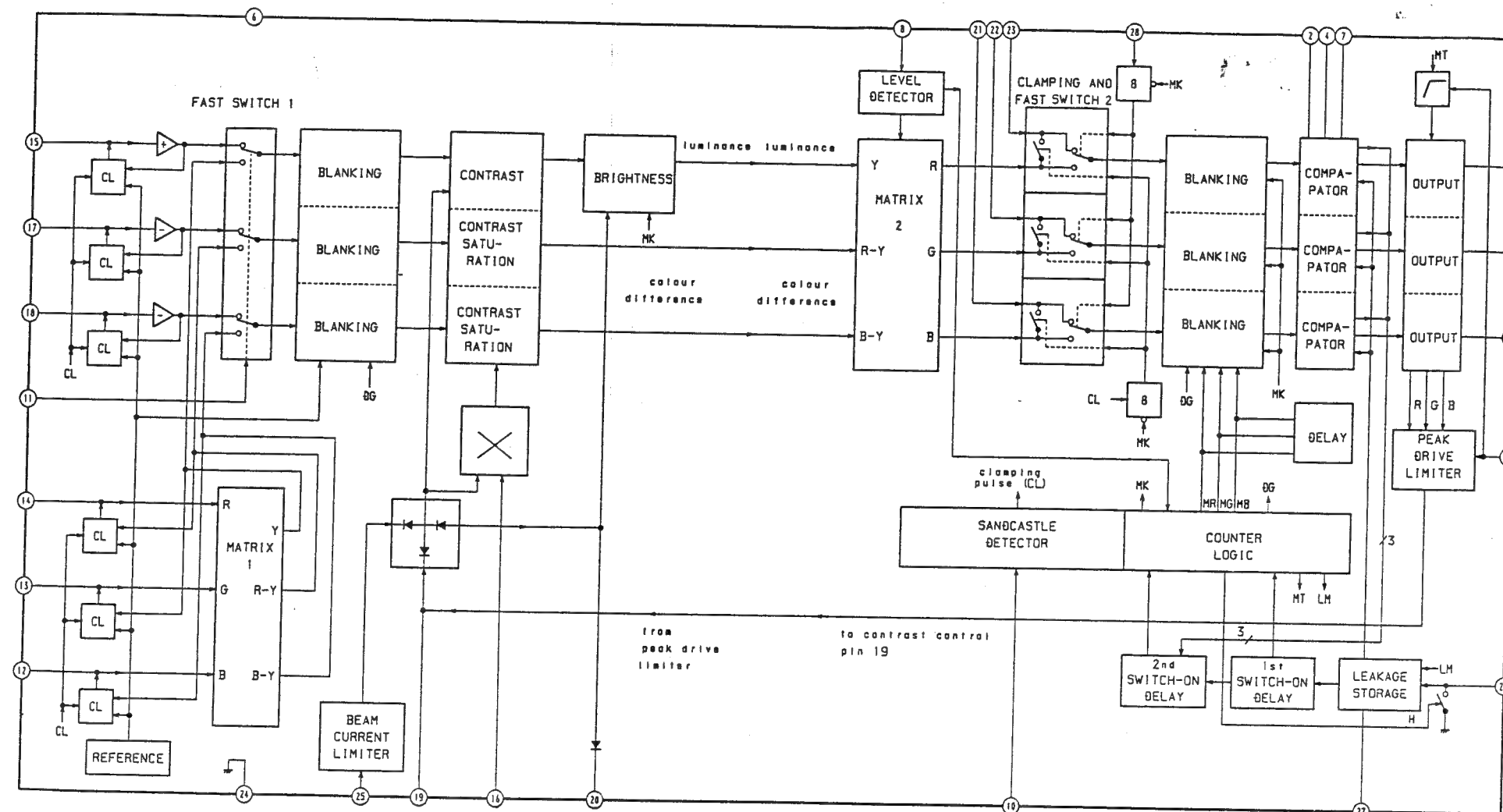


NOTE
The c
600 V
inspec

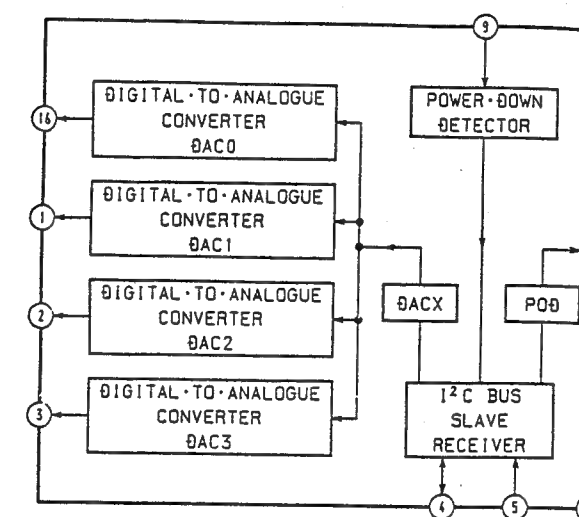
NOTE:

The circuit indicated as left contains high voltage of over 600 Vp-p. Care must be paid to prevent an electric shock in inspection or repairing.

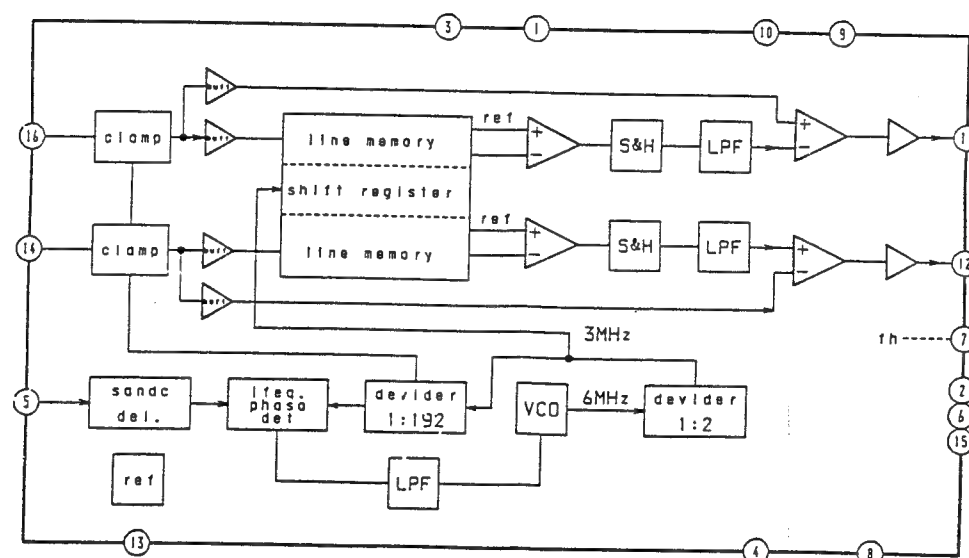
• B1 BOARD IC301 TDA4580-V7



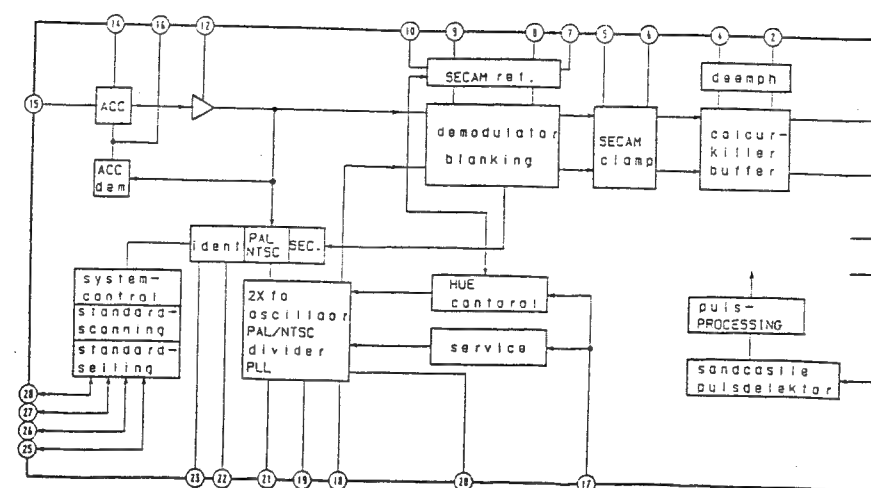
• B1 BOARD IC302 TDA8442-N3



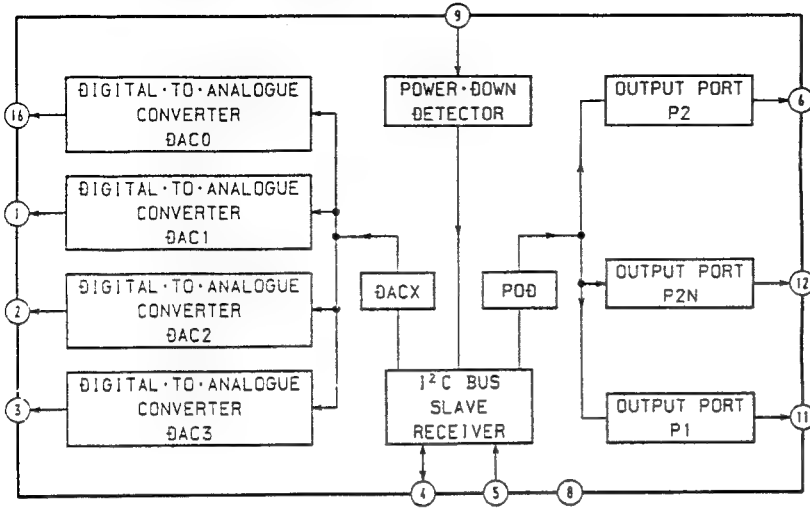
• B1 BOARD IC303 TDA4660T



• B1 BOARD IC304 TDA4650WP

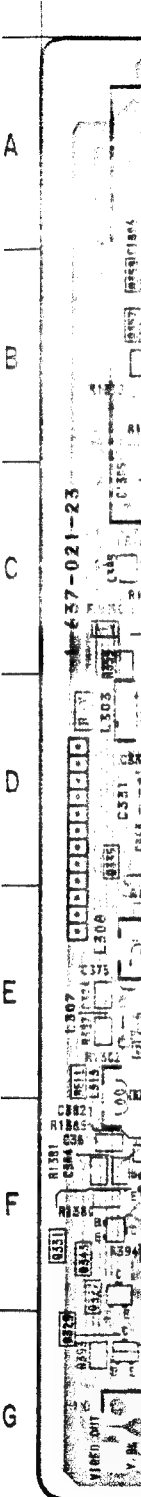


• B1 BOARD IC302 TDA8442-N3



IC		Q365 A-5	
IC301	F-3	Q366	D-3
IC302	D-4	Q367	E-8
IC303	D-7	Q368	E-8
IC304	D-9	Q369	E-8
IC305	C-4	Q370	E-8
IC306	F-9	Q371	D-7
IC308	F-2	Q372	D-7
IC310	A-7	Q373	E-8
IC311	A-6	Q1301	E-3
IC312	A-9	Q1302	E-3
IC313	A-8	Q1303	F-3
IC315	A-9	DIODE	
TRANSISTOR		D301	E-7
Q301	G-3	D304	G-6
Q302	G-3	D305	F-6
Q303	G-3	D307	F-8
Q304	G-4	D308	F-8
Q305	E-4	D309	F-8
Q306	G-2	D310	E-7
Q307	G-4	D311	E-7
Q308	F-3	D312	E-7
Q310	C-1	D314	E-7
Q311	C-2	D318	E-7
Q320	D-3	D319	E-7
Q321	C-3	D320	E-7
Q322	C-3	D321	D-7
Q323	C-3	D322	F-2
Q324	C-3	D330	D-7
Q327	F-1	D331	F-8
Q328	G-1	D333	E-9
Q329	G-1	D336	C-9
Q330	G-2	D340	B-9
Q331	F-1	D341	B-9
Q332	G-2	VARIABLE RESISTOR	
Q333	F-2	RV301	C-9
Q334	D-2	TRIMMER	
Q335	D-1	CT301	C-8
Q336	D-2	CT302	C-8
Q337	D-2	COIL	
Q338	E-1	L303	D-9
Q339	E-2	L308	E-9
Q340	F-2	L312	E-9
Q341	E-1	L313	F-9
Q342	E-2		
Q343	F-1		
Q344	E-1		
Q345	F-1		
Q346	D-3		
Q347	F-1		
Q348	F-2		
Q350	B-3		
Q352	B-2		
Q353	B-1		
Q354	B-1		
Q355	C-2		
Q356	C-1		
Q357	B-1		
Q358	B-1		
Q359	B-1		
Q360	B-3		
Q361	C-3		
Q362	B-4		
Q363	B-5		
Q364	B-5		

- B1 Board -

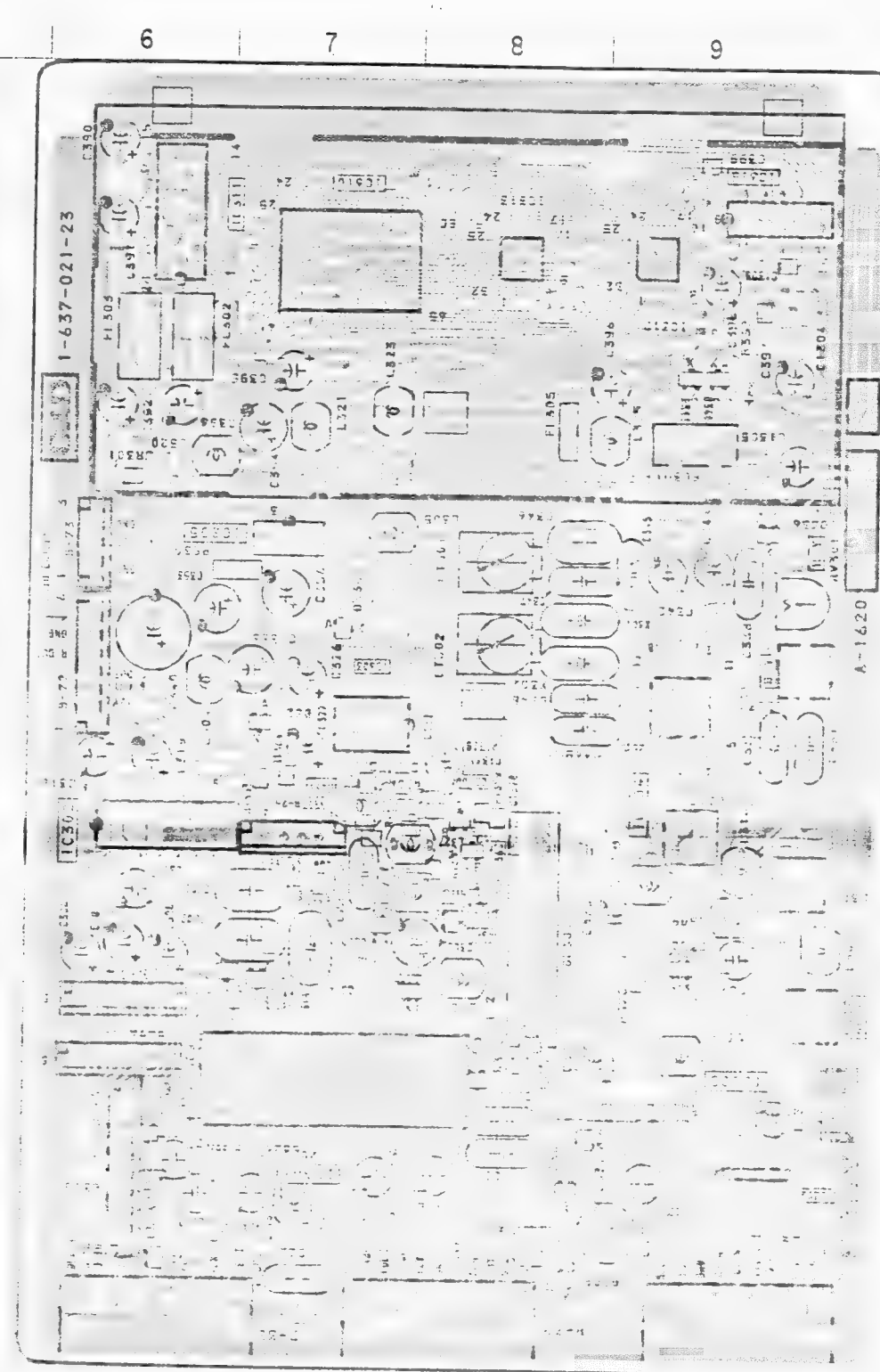
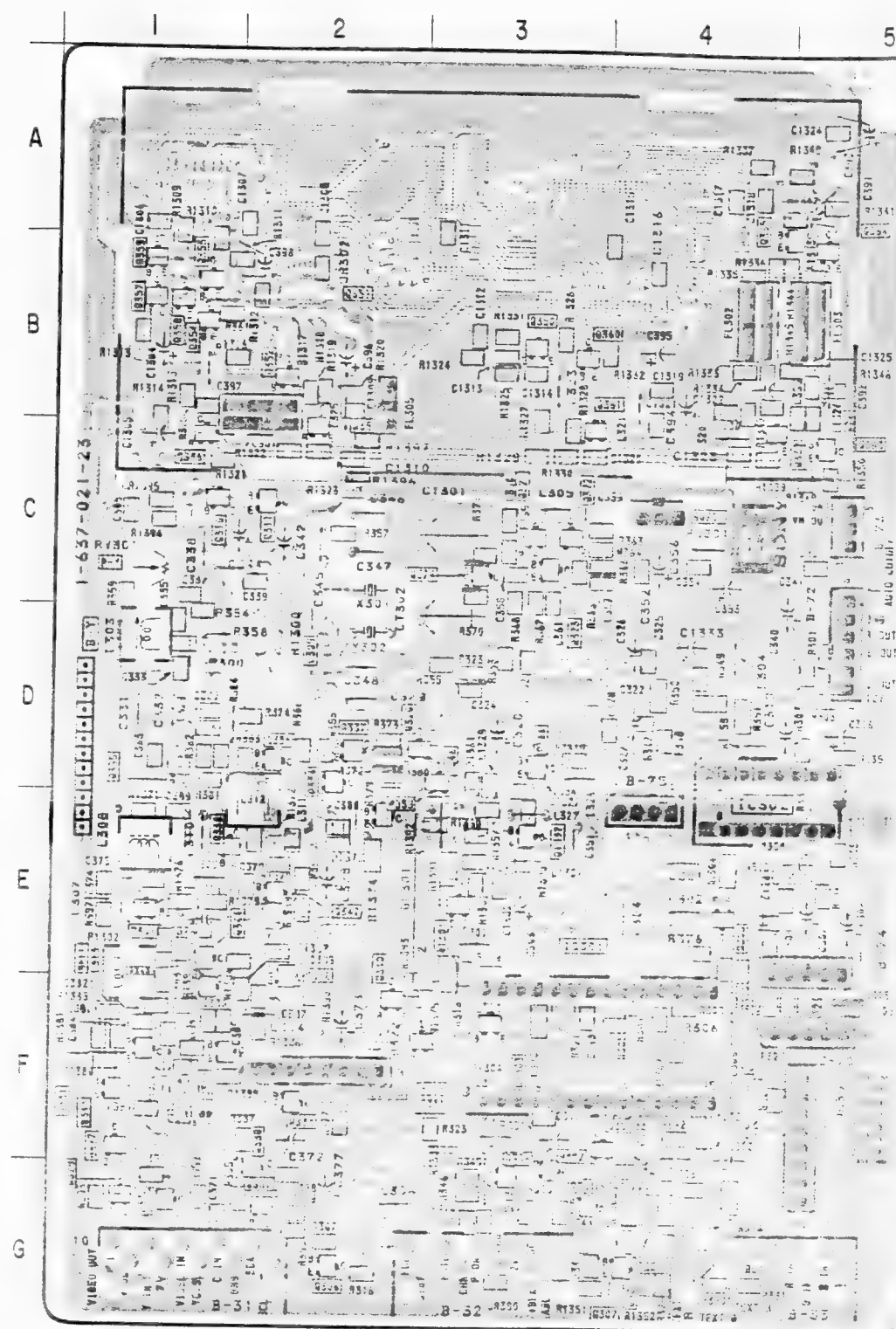


B1VIDEO PROCESSOR, COLOR PROCESSOR,
Y/C SW, D/A CONVERTER, MEMORY,
A/D CONVERTER**K**

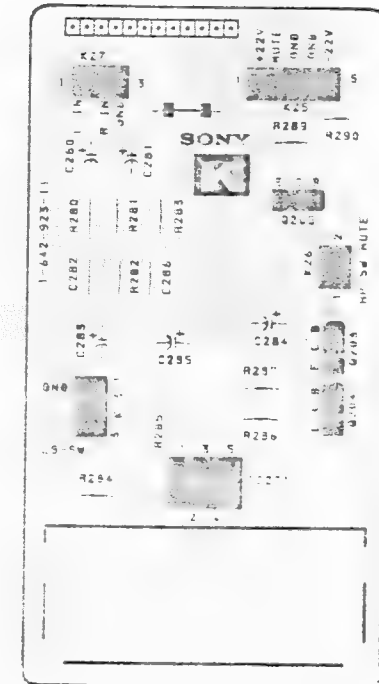
[AUDIO OUT]

- B1 Board -

IC		Q365	A-5
IC301	F-3	Q366	D-3
IC302	D-4	Q367	E-8
IC303	D-7	Q368	E-8
IC304	D-9	Q369	E-8
IC305	C-4	Q371	D-7
IC306	F-9	Q372	D-7
IC308	F-2	Q373	E-8
IC310	A-7	Q1301	E-3
IC311	A-6	Q1302	E-3
IC312	A-9	Q1303	F-3
IC313	A-8		
IC315	A-9		
		DIODE	
TRANSISTOR	Q301	G-3	D301 E-7
	Q302	G-3	D304 G-6
	Q303	G-3	D305 F-6
	Q304	G-4	D307 F-8
	Q305	E-4	D308 F-8
	Q306	G-2	D309 F-8
	Q307	G-4	D310 E-7
	Q308	F-3	D311 E-7
	Q310	C-1	D312 E-7
	Q311	C-2	D314 E-7
	Q320	D-3	D318 E-7
	Q321	C-3	D319 E-7
	Q322	C-3	D320 E-7
	Q323	C-3	D321 D-7
	Q324	C-3	D322 F-2
	Q327	F-1	D330 D-7
	Q328	G-1	D331 F-8
	Q329	G-1	D333 E-9
	Q330	G-2	D336 C-9
	Q331	F-1	D340 B-9
	Q332	G-2	D341 B-9
		VARIABLE RESISTOR	
		RV301	C-9
		TRIMMER	
		CT301	C-8
		CT302	C-8
		COIL	
		L303	D-9
		L308	E-9
		L312	E-9
		L313	F-9

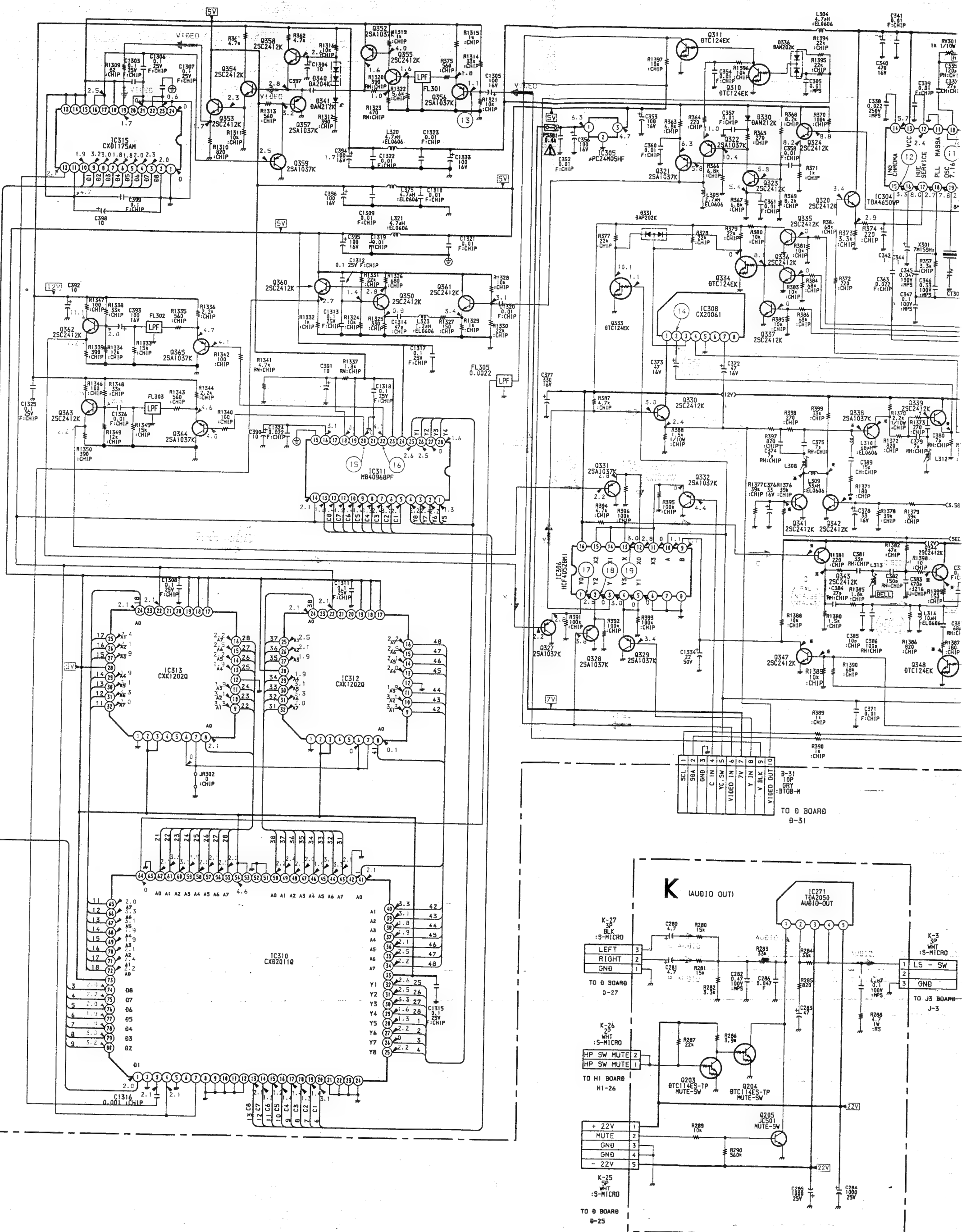


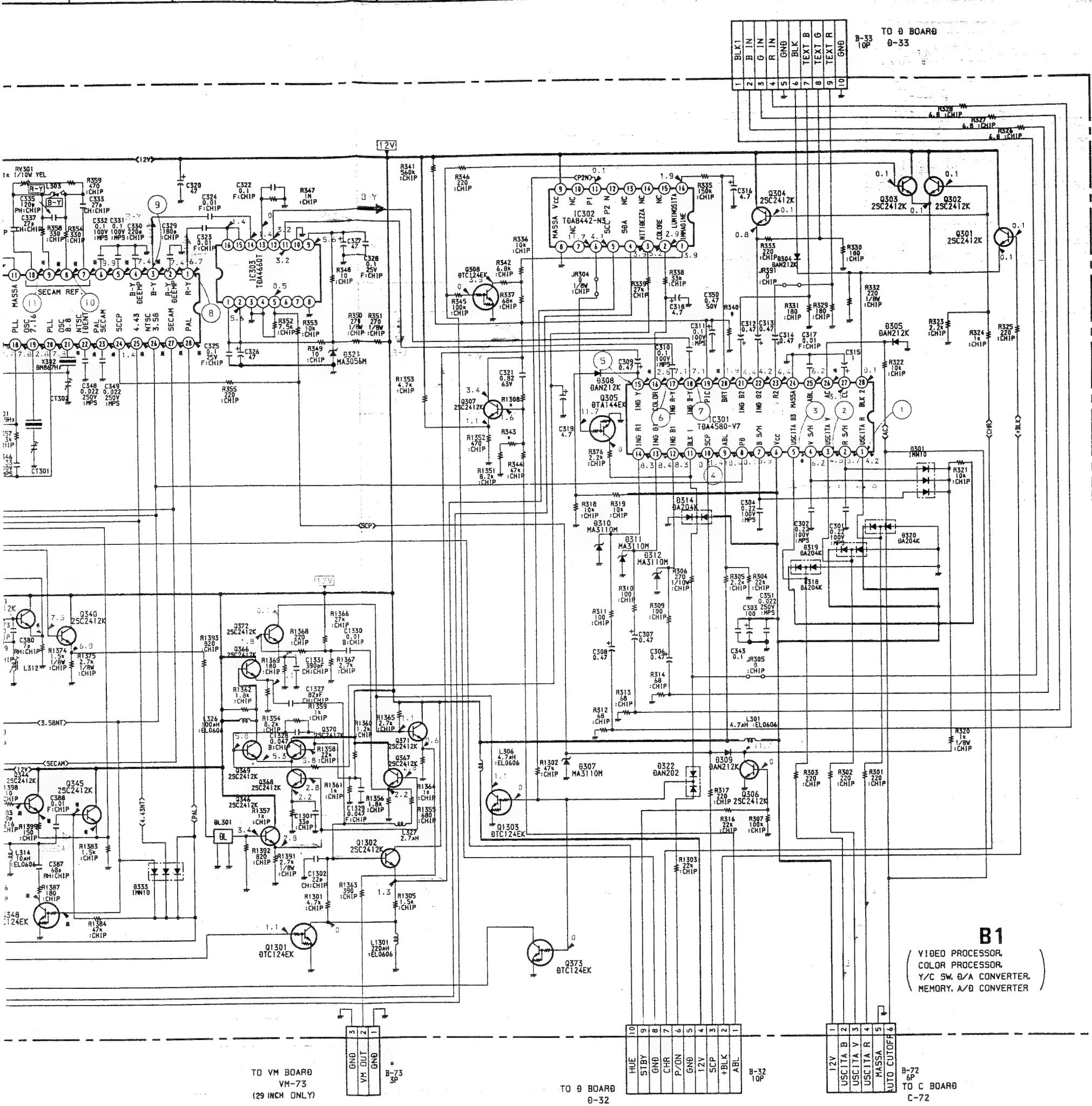
- K Board -



Note:

- : Pattern from the side which enables seeing.
- : Pattern of the rear side.





- IC301
- IC302
- IC303
- IC304
- IC305
- IC306
- IC307
- IC308
- IC309
- IC310
- IC311
- IC312
- IC313
- IC314
- IC315
- Q301
- Q302
- Q303
- Q304
- Q305
- Q306
- Q307
- Q308
- Q309
- Q310
- Q311
- Q312
- Q313
- Q314
- Q315
- Q316
- Q317
- Q318
- Q319
- Q320
- Q321
- Q322
- Q323
- Q324
- Q325
- Q326
- Q327
- Q328
- Q329
- Q330
- Q331
- Q332
- Q333
- Q334
- Q335
- Q336
- Q337
- Q338
- Q339
- Q340
- Q341
- Q342
- Q343
- Q344
- Q345
- Q346
- Q347
- Q348
- Q349
- Q350
- Q351
- Q352
- Q353
- Q354
- Q355
- Q356
- Q357
- Q358
- Q359
- Q360
- Q361
- Q362
- Q363
- Q364
- Q365
- Q366
- Q367
- Q368
- Q369
- Q370
- Q371
- Q372
- Q373
- Q374
- Q375
- Q376
- Q377
- Q378
- Q379
- Q380
- Q381
- Q382
- Q383
- Q384
- Q385
- Q386
- Q387
- Q388
- Q389
- Q390
- Q391
- Q392
- Q393
- Q394
- Q395
- Q396
- Q397
- Q398
- Q399
- Q400

B1
VIDEO PROCESSOR.
COLOR PROCESSOR.
Y/C SW. & A CONVERTER.
MEMORY, A/D CONVERTER

As to the voltage value shown by the mark * on the Schematic Diagram, see the another list.

IC·NO	PIN·NO	PAL	SECAM	NTSC 3.38	NTSC 4.43
IC301	(1)	6.7	4.8	4.8	4.8
	(15)	8.9	7.0	7.0	7.0
	(16)	3.4	3.4	3.8	3.4
	(17)	6.6	6.6	6.0	6.5
	(18)	0.1	6.8	6.9	6.8
IC304	(1)	9.0	0	9.9	9.3
	(2)	4.6	0	4.6	4.6
	(3)	3.4	3.0	3.4	3.4
	(4)	3.4	3.0	3.4	3.4
	(5)	4.6	3.4	4.6	4.6
	(6)	2.3	3.1	3.1	2.3
	(7)	5.6	5.6	5.6	7.4
	(8)	7.5	7.5	5.7	5.7
	(9)	0.1	0.1	0.1	6.0
	(10)	0.1	0.1	0.1	0.1
	(11)	0.1	0.1	0.1	0.1
	(12)	0.1	0.1	0.1	0.1
	(13)	6.0	0.1	0.1	0.1
	(14)	0.1	0.1	0.1	0.1
	(15)	0.1	0.1	0.1	0.1

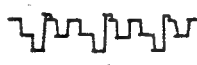







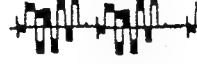




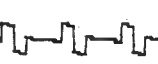



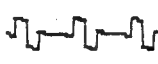
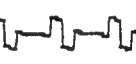

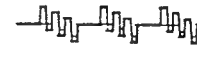
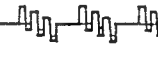
























Q·NO	PAL	SECAM	NTSC 3.38	NTSC 4.43
Q338	B	2.4	3.9	3.9
	E	3.0	4.6	4.6
	F	3.0	4.6	4.6
Q339	E	2.4	3.9	3.9
	F	0	0.4	0.1
Q340	C	11.7	0	11.6
	F	0	0.4	0
Q341	C	11.7	0	11.7
	F	3.4	5.3	5.3
Q342	B	2.8	4.7	4.7
	E	0	5.4	1.0
Q343	B	4.4	4.8	1.5
	E	5.0	0.1	1.9
Q344	B	4.4	4.4	1.4
	E	0.6	0	0
Q345	C	0.1	11.9	11.9
	B	0.1	0.1	1.0
Q346	C	1.3	0.2	0.2
	F	0.2	0.2	0.4

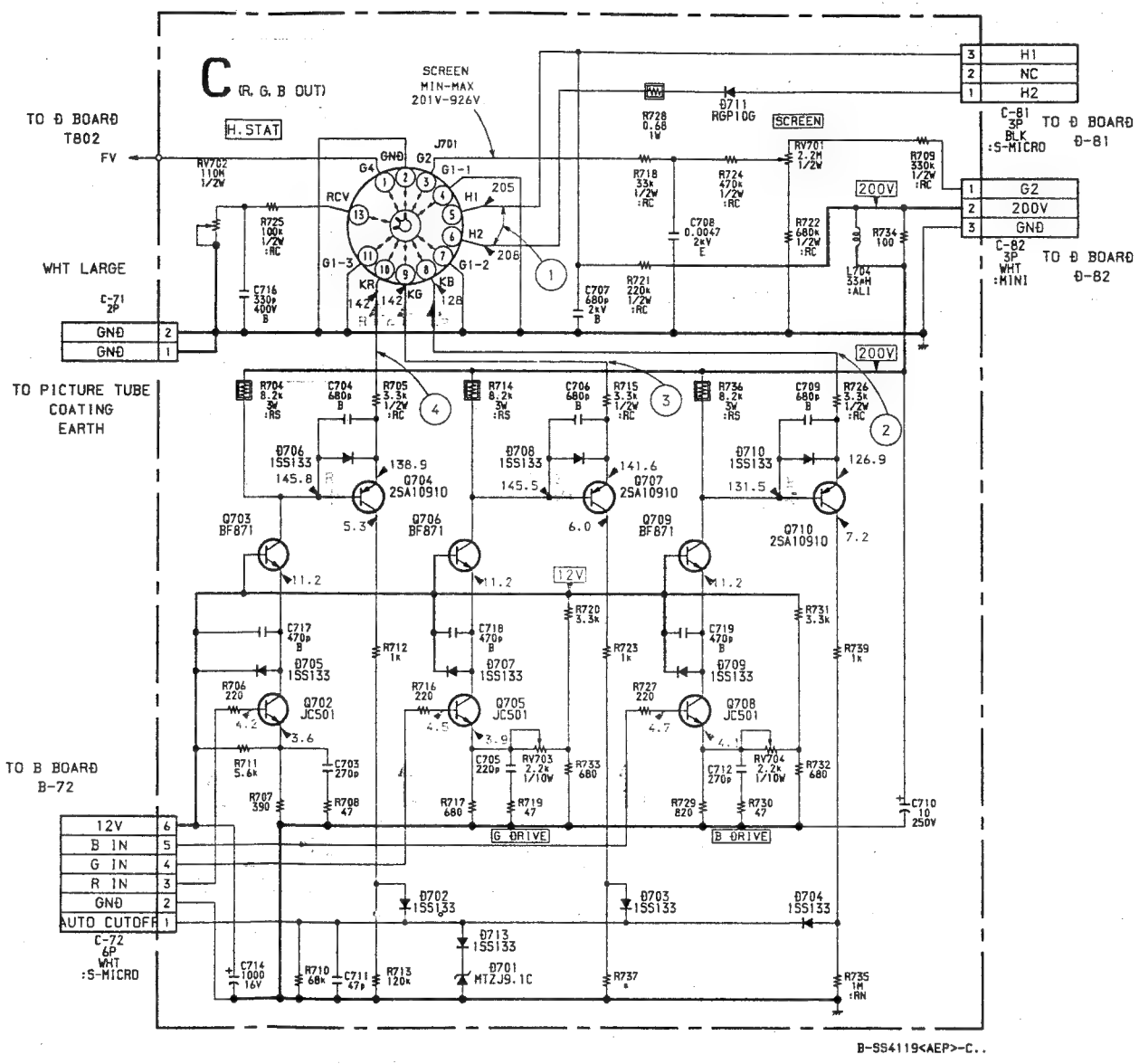
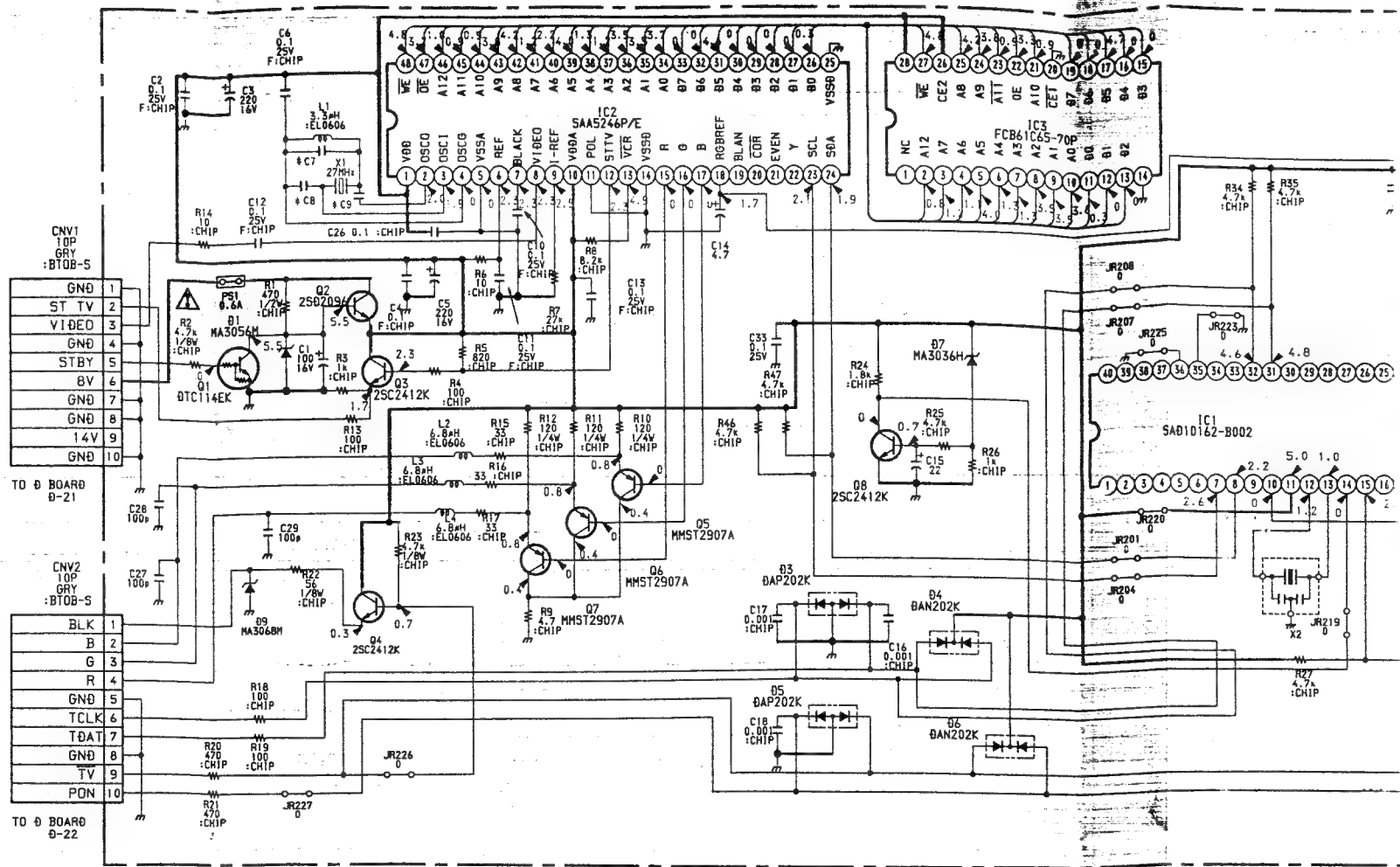
B1 BOARD * MARK		
B-73	25"	29"
R340	270K 1/10W	220K 1/10W
R343	270 1/10W	1.8K 1/10W
R1308	0 1/10W	4.7K 1/10W

B1 BOARD

IC301	TDA4580-V7	VIDEO PROCESSOR
IC302	TDA8442-N3	D/A CONVERTER
IC303	TDA4660T	1H DELAY
IC304	TDA4650WP	COLOR PROCESSOR
IC305	μ PC24M05HF	REGULATOR
IC306	HCF4052BM	Y/C SW
IC308	CX20061	Y SW
IC310	CXD2011Q-TL	COMB CONTROL
IC311	MB40968PF	D/A CONVERTER
IC312	CXK1202Q-T4	MEMORY
IC313	CXK1202Q-T4	MEMORY
IC315	CXD1175AM-T6	A/D CONVERTER
Q301	2SC2412K	CANAL + BLK
Q302	2SC2412K	ON SCREEN DISPLAY SW
Q303	2SC2412K	FAS PICTURE MUTE SW
Q304	2SC2412K	ON SCREEN DISPLAY SW
Q305	DTA144EK	ANTI PRIORITY SCART
Q306	2SC2412K	STBY SW
Q307	2SC2412K	ABL
Q308	DTC124EK	NUTE
Q310	DTC124EK	SECAM SW
Q311	DTC124EK	SECAM SW
Q320	2SC2412K	HUE BUFFER
Q321	2SA1037K	CLK AMP 3
Q322	2SA1037K	CLK AMP 2
Q323	2SC2412K	CLK AMP 1
Q324	2SC2412K	CLK BUFFER
Q327	2SA1037K	Y OUT
Q328	2SA1037K	VIDEO IN
Q329	2SA1037K	Y IN
Q330	2SC2412K	VIDEO BUFFER
Q331	2SA1037K	C OUT
Q332	2SA1037K	C IN
Q333	DTC124EK	Y/C SW
Q334	DTC124EK	Y SW
Q335	2SC2412K	SECAM SW
Q336	2SC2412K	NTSC3.58 SW
Q337	2SC2412K	NTSC4.43 SW
Q338	2SA1037K	Y BUFFER
Q339	2SC2412K	Y BUFFER
Q340	2SC2412K	Y BUFFER
Q341	2SC2412K	SECAM TRAP SW
Q342	2SC2412K	NTSC TRAP SW
Q343	2SC2412K	C OUT
Q344	2SC2412K	SECAM SW
Q345	2SC2412K	PAL/SECAM SW
Q346	2SC2412K	Y IN
Q347	2SC2412K	PAL SW
Q348	DTC124EK	NTSC3.58 SW
Q350	2SC2412K	CLK AMP
Q352	2SA1037K	VIDEO AMP
Q353	2SC2412K	BUFFER
Q354	2SC2412K	BUFFER
Q355	2SC2412K	VIDEO AMP
Q356	2SA1037K	VIDEO BUFFER
Q357	2SA1037K	CLAMP BIAS
Q358	2SC2412K	VIDEO CLAMP
Q359	2SA1037K	CLAMP BIAS
Q360	2SC2412K	CLK BUFFER
Q361	2SC2412K	CLK AMP
Q362	2SC2412K	Y BUFFER
Q363	2SC2412K	C BUFFER
Q364	2SA1037K	C BUFFER
Q365	2SA1037K	Y BUFFER
Q366	2SC2412K	SHP BUFFER
Q367	2SC2412K	Y BUFFER
Q368	2SC2412K	SHP AMP
Q369	2SC2412K	SHP AMP
Q370	2SC2412K	SHP AMP
Q371	2SC2412K	VM BUFFER
Q372	2SC2412K	VM AMP
Q373	DTC124EK	
Q1301	DTC124EK	Y BUFFER
Q1302	2SC2412K	Y BUFFER
Q1303	DTC124EK	VM MUTE
D301	IMN10	ACO AT STBY
D304	DAN212K	PROTECT
D305	DAN212K	PROTECT
D307	MA3110M	PROTECT
D308	DAN212K	PROTECT
D309	DAN212K	PROTECT
D310	MA3110M	PROTECT
D311	MA3110M	PROTECT
D312	MA3110M	PROTECT
D314	DA204K	PROTECT
D318	DA204K	PROTECT
D319	DA204K	PROTECT
D320	DA204K	PROTECT
D321	MA3056M	REG
D322	DAN202K	PROTECT
D330	DAN212K	BIAS
D331	DAP202K	Y/C SW
D333	IMN10	SYSTEM SW
D336	DAN202K	CORRECT SW
D340	DA204K	VIDEO AMP
D341	DAN212K	VIDEO AMP

• WAVEFORMS B1 BOARD

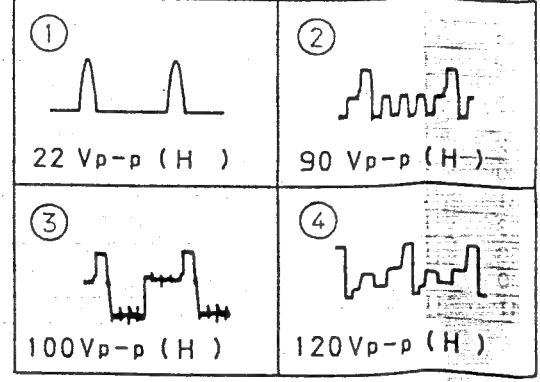
① PAL  5.4Vp-p (H)	① SECAM  4.8Vp-p (H)	① NTSC3.58/ NTSC4.43  5.6Vp-p (H)	② PAL  5.4Vp-p (H)
② SECAM  4.8Vp-p (H)	② NTSC3.58/ NTSC4.43  5.6Vp-p (H)	③ PAL  5.4Vp-p (H)	③ SECAM  5.0Vp-p (H)
③ NTSC3.58/ NTSC4.43  6.2Vp-p (H)	④  10.5Vp-p (H)	⑤ PAL  0.4Vp-p (H)	⑤ SECAM  0.3Vp-p (H)
⑤ NTSC3.58/ NTSC4.43  0.6Vp-p (H)	⑥ PAL/SECAM  1.1Vp-p (H)	⑥ NTSC3.58/ NTSC4.43  1.2Vp-p (H)	⑦ PAL/SECAM  1.4Vp-p (H)
⑦ NTSC3.58/ NTSC4.43  1.4Vp-p (H)	⑧ PAL  0.4Vp-p (H)	⑧ SECAM  1.0Vp-p (H)	⑧ NTSC3.58/ NTSC4.43  0.8Vp-p (H)
⑨ PAL  0.7Vp-p (H)	⑨ SECAM  1.4Vp-p (H)	⑨ NTSC3.58/ NTSC4.43  0.85Vp-p (H)	⑩ SECAM  0.2Vp-p (H)
⑪ SECAM  1.2Vp-p (H)	⑫ PAL  0.16Vp-p (H)	⑫ SECAM  0.2Vp-p (H)	⑫ NTSC3.58/ NTSC4.43  0.3Vp-p (H)
⑬ PAL  1.0Vp-p (H)	⑬ SECAM  0.8Vp-p (H)	⑬ NTSC3.58  0.9Vp-p (H)	⑬ NTSC4.43  0.95Vp-p (H)
⑭ PAL  0.8Vp-p (H)	⑭ SECAM  0.7Vp-p (H)	⑭ NTSC3.58  0.6Vp-p (H)	⑭ NTSC4.43  0.8Vp-p (H)
⑮ PAL  0.7Vp-p (H)	⑮ SECAM NTSC3.58 NTSC4.43  0.5Vp-p (H)	⑯  0.9Vp-p (H)	⑰ PAL  1.9Vp-p (H)
⑰ SECAM NTSC3.58 NTSC4.43  0.1Vp-p (H)	⑱ PAL  0.2Vp-p (H)	⑱ SECAM  0.8Vp-p (H)	⑱ PAL  0.6Vp-p (H)
⑲ SECAM  0.8Vp-p (H)	⑲ NTSC3.58/ NTSC4.43  0.9Vp-p (H)		



• C BOARD

Q702	JC501	R DRIVE
Q703	BF871	R OUT
Q704	2SA10910	ACO MEASURING
Q705	JC501	G DRIVE
Q706	BF871	G OUT
Q707	2SA10910	ACO MEASURING
Q708	JC501	B DRIVE
Q709	BF871	B OUT
Q710	2SA10910	ACO MEASURING
D701	MTZJ9.1C	PROTECT
D702	1SS133	PROTECT
D703	1SS133	PROTECT
D704	1SS133	PROTECT
D705	1SS133	PROTECT
D706	1SS133	PROTECT
D707	1SS133	PROTECT
D708	1SS133	PROTECT
D709	1SS133	PROTECT
D710	1SS133	PROTECT
D711	RGP10G	HEATING VOLTAGE REC
D713	1SS133	PROTECT

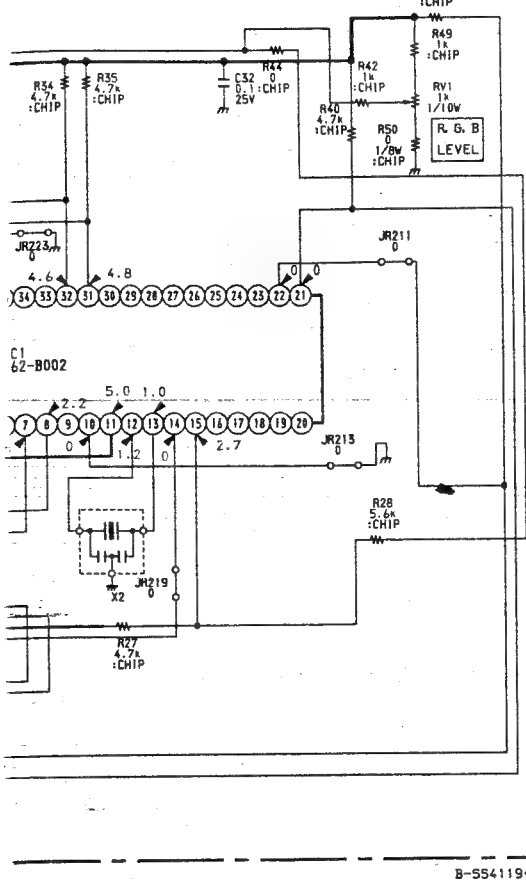
• WAVEFORMS C BOARD



C BOARD * MARK

	25"	29"
R737	820K	470K

V (TEXT)



V BOARD * MARK

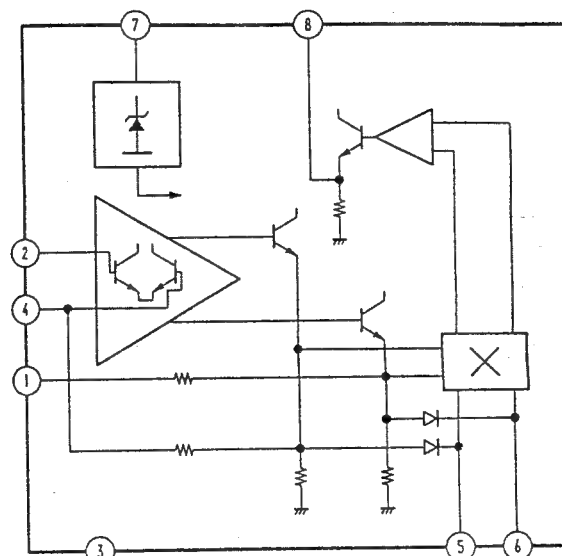
	25"	29"
C7	22P	-
C8	22P	-
C9	22P	-

• V BOARD

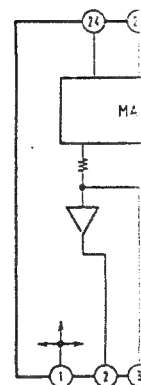
IC1	SDA20162-B002	MICRO-CONT
IC2	SAA5246P/E	IVT
IC3	FCB61C65-70P	STATIC-RAM
Q1	DTC114EK	STAD BY
Q2	2SD2096	5V REG
Q3	2SC2412K	SYNC BUFFER
Q4	2SC2412K	BLK OUT
Q5	MMST2907A	B OUT
Q6	MMST2907A	G OUT
Q7	MMST2907A	R OUT
Q8	2SC2412K	RESET
D1	MA3056M	5V REG
D3	DAP202K	PROTEC
D4	DAN202K	PROTEC
D5	DAP202K	PROTEC
D6	DAN202K	PROTEC
D7	MA3036H	PROTEC
D9	MA3068M	PROTEC

B-554119<AEP>-V..

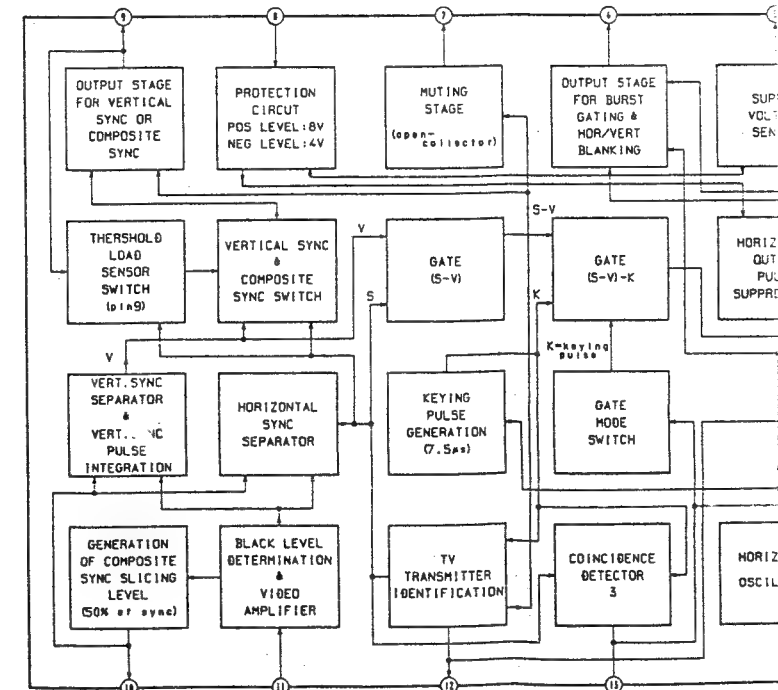
• IFG BOARD IC1/IC2 TBA129



• IFG BOA

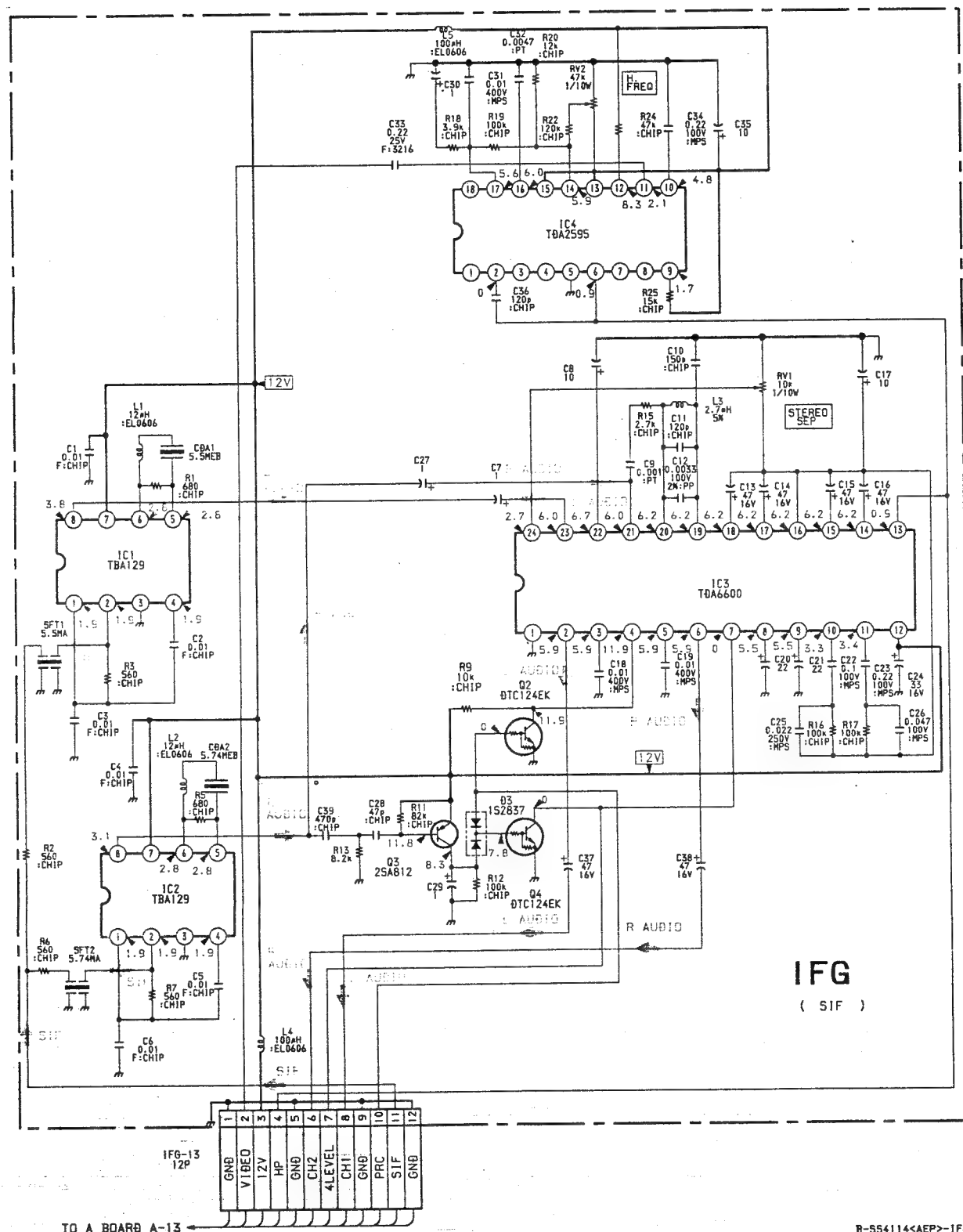


• IFG BOARD IC4 TDA2595



• IFG BOARD

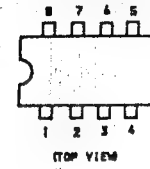
IC1	TBA129	5.5 DET
IC2	TBA129	5.74 DET
IC3	TDA6600	SIF DET AMP
IC4	TDA2595	H. FEQ AMP
Q2	DTC124EK	SW
Q3	2SA812	SW
Q4	DTC124EK	SW
D3	1S2837	SW

IFG
(SIF)

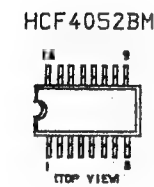
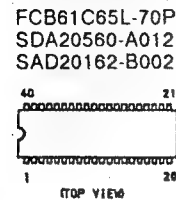
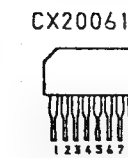
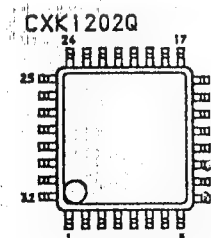
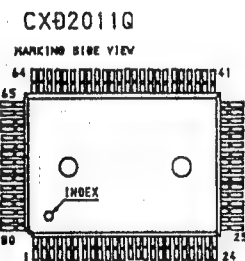
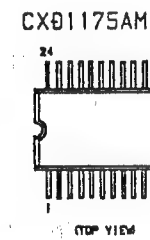
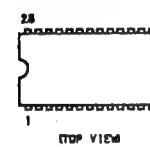
B-554114<AEP>-IFG

5-4. SEMICONDUCTORS

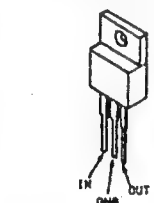
BA4558
NE5532P
RC4558P
SDA2546
TBA129
TDA1543
TEA2014A
TEA2031A



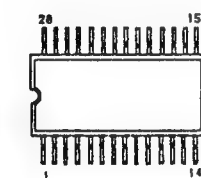
CXA1114P
CXK5864BP-10L
MAB8461P-W208
SAA5246P/E
SAA7280
TC5565APL-15L
TDA4580-V7
TDA6200
TEA2028B



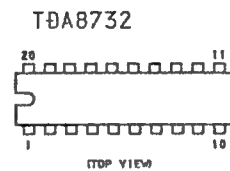
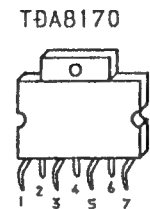
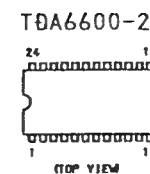
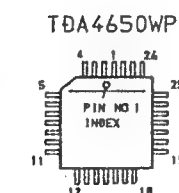
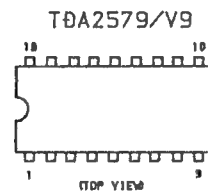
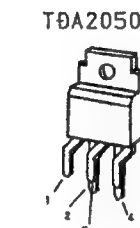
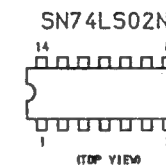
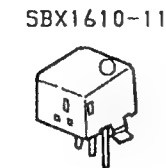
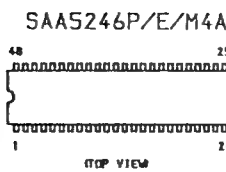
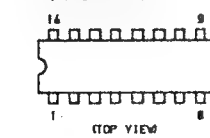
LM7812CT
MC7812CT
TDA8341/N6
TEA7605
μPC24M05HF



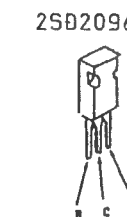
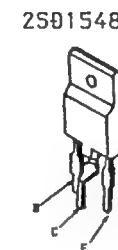
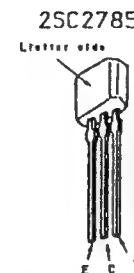
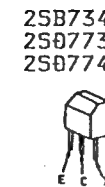
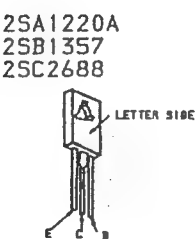
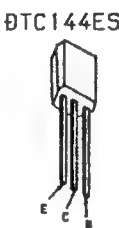
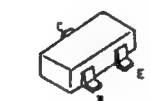
MB40968PF



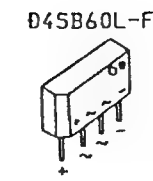
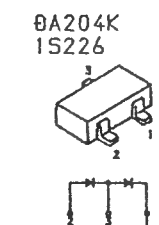
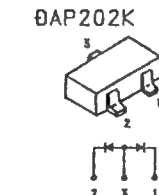
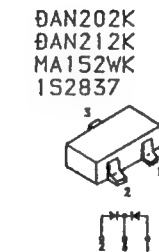
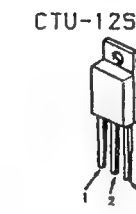
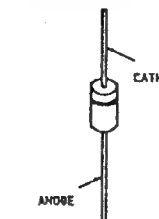
MC14051BCP
MC14053BCP
PC8574
TDA2545A-V4
TDA4660T
TDA8442N3
TEA2260
μPD4053BC



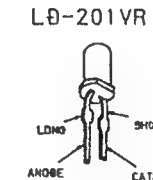
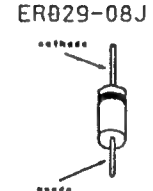
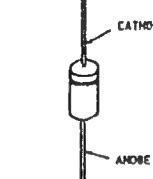
DTA144EK
DTC114EK
DTC124EK
DTC144EK
MMST2907A
2SA1037K
2SA1162
2SA812
2SB1295
2SC1623
2SC2412
2SC2712



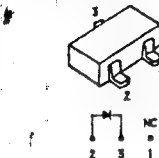
BR405B
BB809
ERC06-15S
ERC25-06S
RGP10G
RU-3AM



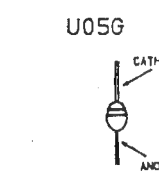
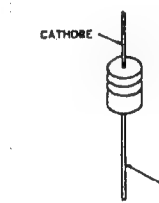
EGP20G
GP08B
RGP02-17
RGP15J



MA3056M
MA3110
MA3036H
MA3068M
RD11M-B2
RD3.6M-B2
RD5.6M-B2
RD6.8M-B2



MTZJ-13B
MTZJ-15A
MTZJ-33A
MTZJ-36B
MTZJ-3.9B
MTZJ-4.7B
MTZJ-5.6B
MTZJ-6.2C
MTZJ-7.5C
MTZJ-9.1C
MTZN-10C
RD5.6ESB2
RD6.2ESB2
RD6.8ESB2
RD7.5ESB2
RD9.1ESB3
UZ4.7BSC
1SS119
1SS133



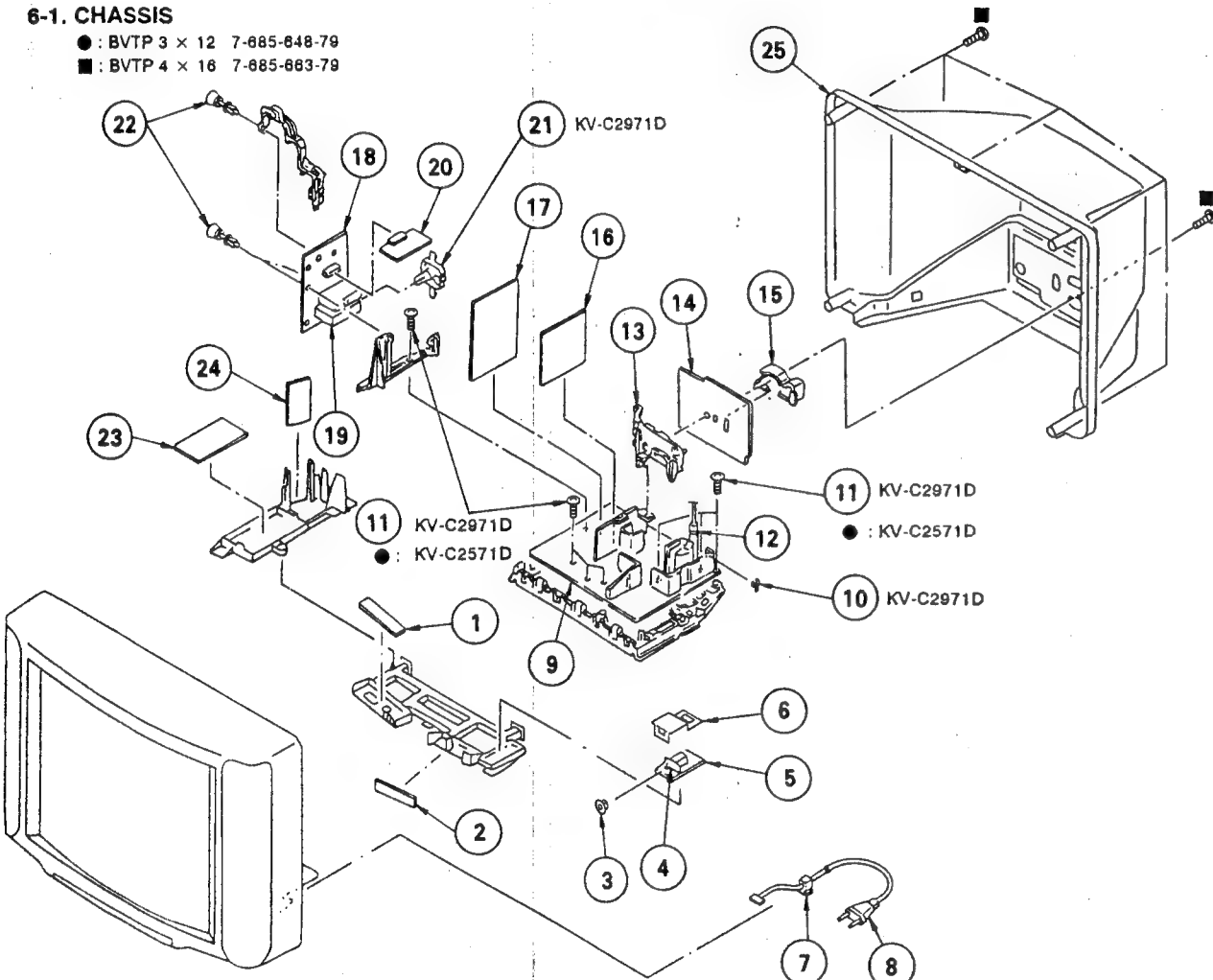
SECTION 6
EXPLODED VIEWS

NOTE:

- Items with no part number and no description are not stocked because they are seldom required for routine service.
- The construction parts of an assembled part are indicated with a collation number in the remark column.
- Items marked "★" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

6-1. CHASSIS

- : BVTP 3 × 12 7-885-848-79
- : BVTP 4 × 16 7-885-863-79

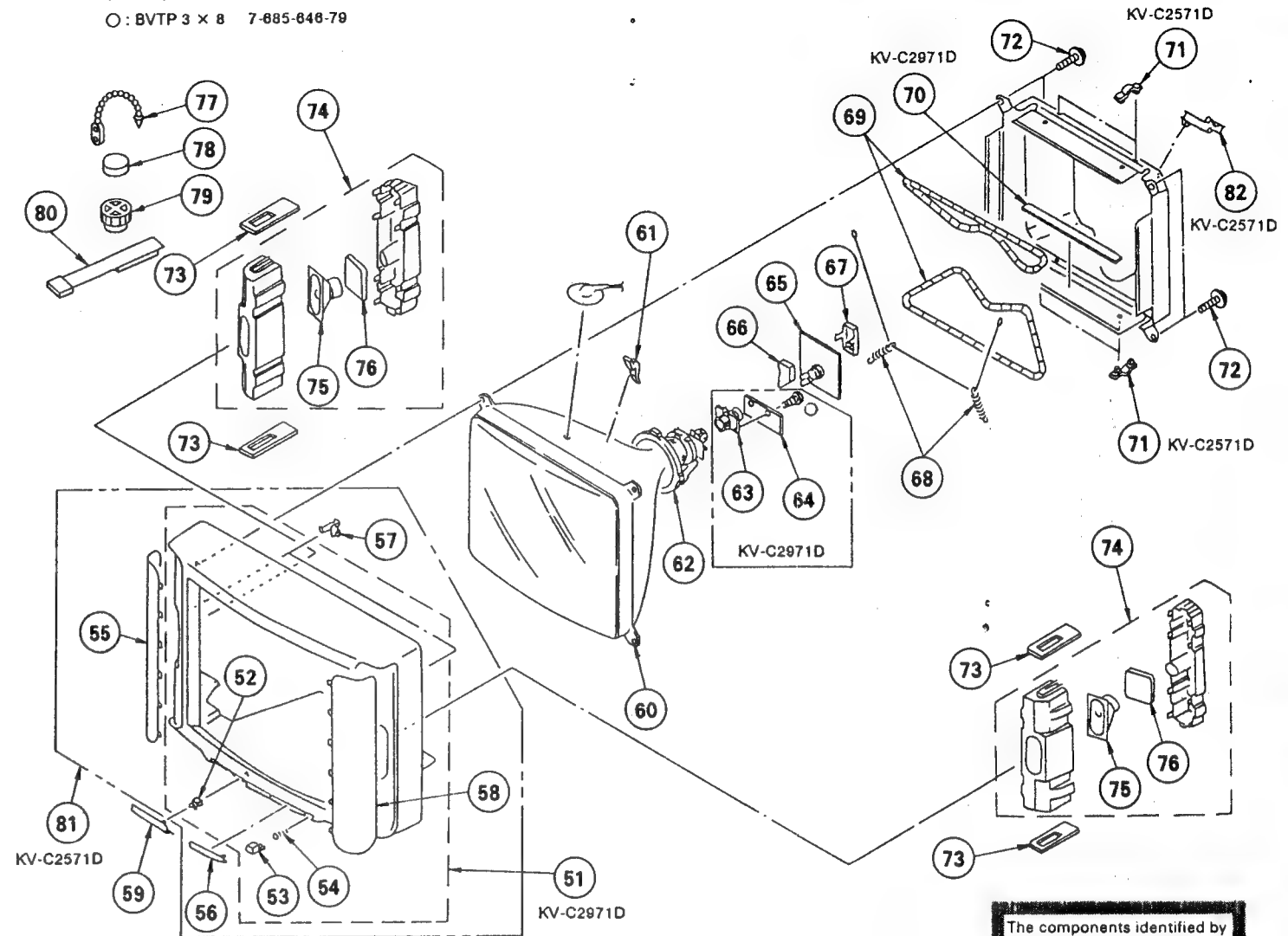


REF. NO.	PART NO.	DESCRIPTION	REMARK	REF. NO.	PART NO.	DESCRIPTION	REMARK
1	*1-638-744-11	H1 BOARD (KV-C2571D)		13	*4-386-624-01	BRACKET, J (KV-C2571D)	
2	*1-638-391-11	H1 BOARD (KV-C2971D)		14	*4-386-624-11	BRACKET, J (KV-C2971D)	
3	*1-638-745-11	H2 BOARD (KV-C2571D)		15	*A-1651-023-A	J1 BOARD, COMPLETE (KV-C2571D)	
4	*1-638-392-11	H2 BOARD (KV-C2971D)		16	*A-1651-038-A	J1 BOARD, COMPLETE (KV-C2971D)	
5	4-386-611-11	COVER, SWITCH (KV-C2571D)		17	4-200-014-11	BRACKET, TERMINAL (KV-C2571D)	
6	4-386-611-01	COVER, SWITCH (KV-C2971D)		18	4-200-014-01	BRACKET, TERMINAL (KV-C2971D)	
7	Δ 1-571-433-12	SWITCH, PUSH (AC POWER)		19	*A-1645-022-A	V BOARD, COMPLETE (KV-C2571D)	
8	*A-1624-008-A	F BOARD, COMPLETE (KV-C2571D)		20	*A-1645-013-A	V BOARD, COMPLETE (KV-C2971D)	
9	*A-1624-007-A	F BOARD, COMPLETE (KV-C2971D)		21	*A-1621-030-A	B1 BOARD, COMPLETE (KV-C2571D)	
10	4-200-274-11	COVER, POWER SWITCH (KV-C2571D)		22	*A-1621-031-A	B1 BOARD, COMPLETE (KV-C2971D)	
11	4-200-952-01	COVER, POWER SWITCH (KV-C2971D)		23	*A-1632-054-A	A BOARD, COMPLETE (KV-C2571D)	
12	Δ 4-389-201-11	HOLDER, AC CORD (KV-C2571D)		24	*A-1632-094-A	A BOARD, COMPLETE (KV-C2971D)	
13	Δ 4-389-201-03	HOLDER, AC CORD (KV-C2971D)		25	Δ 1-465-301-11	TUNER, ET (UV-816(PLL))	
14	Δ 1-590-501-11	CORD, POWER (WITH NOISE FILTER)		26	*A-1654-005-A	IFG BOARD, COMPLETE (KV-C2571D)	
15	*A-1642-079-A	D BOARD, COMPLETE (KV-C2571D)		27	*A-1654-008-A	IFG BOARD, COMPLETE (KV-C2971D)	
16	*A-1642-085-A	D BOARD, COMPLETE (KV-C2971D)		28	*4-386-617-01	HOLDER, TERMINAL (KV-C2571D)	
17	*3-646-071-00	HOLDER, WIRE (KV-C2971D)		29	4-386-618-01	RIVET, T TYPE	
18	4-364-802-00	SCREW (3.5X13) (KV-C2971D)		30	*1-642-923-11	K BOARD	
19	Δ 1-439-416-41	TRANSFORMER ASSY, FLYBACK (NX-1604) (KV-C2571D)		31	*1-642-924-11	J3 BOARD	
20	Δ 1-439-416-51	TRANSFORMER ASSY, FLYBACK (UX-1650) (KV-C2971D)		32	4-202-032-01	COVER, REAR (KV-C2571D)	
21				33	4-202-014-01	COVER, REAR (KV-C2971D)	

The components identified by shading and mark Δ are critical for safety. Replace only with part number specified.

6-2. PICTURE TUBE

○: BVTP 3 × 8 7-885-848-79

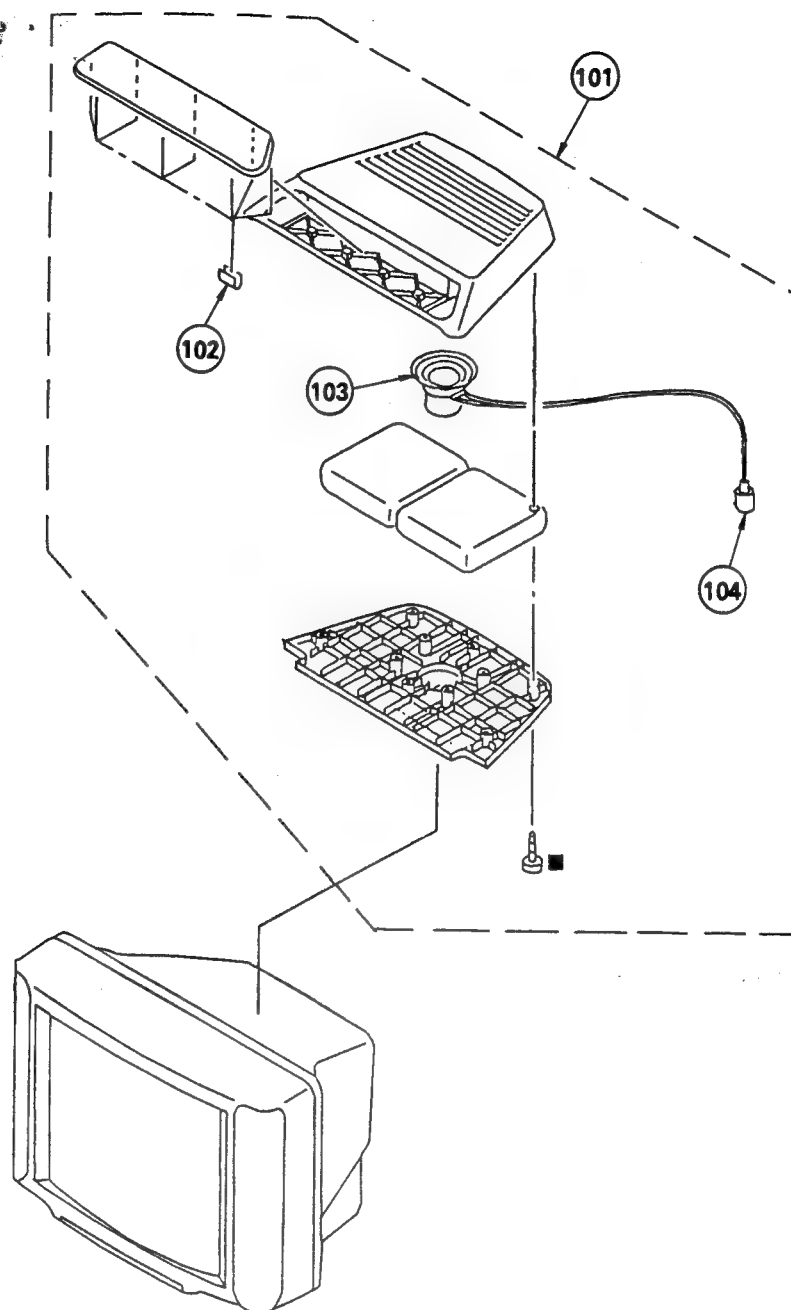


The components identified by shading and mark Δ are critical for safety. Replace only with part number specified.

REF. NO.	PART NO.	DESCRIPTION	REMARK	REF. NO.	PART NO.	DESCRIPTION	REMARK
51	X-4200-098-1	CABINET ASSY (WITH BEZEL ASSY)	52-54 (KV-C2971D)	66	*4-379-167-01	COVER (MAIN), CV	
52	4-392-036-01	CATCHER, PUSH		67	*4-379-160-01	COVER (REAR LID), CV	
53	4-202-022-01	BUTTON, POWER (KV-C2571D)		68	4-303-774-11	SPRING, GROUND WIRE (KV-C2571D)	
54	4-200-991-01	BUTTON, POWER (KV-C2971D)		69	4-369-318-00	SPRING, TENSION (KV-C2971D)	
55	4-329-112-00	SPRING (KV-C2571D)		70	Δ 1-426-372-11	COIL, DEMAGNETIZATION (KV-C2571D)	
56	4-329-112-41	SPRING (KV-C2971D)		71	Δ 1-426-398-11	COIL, DEMAGNETIZATION (KV-C2971D)	
57	X-4200-103-1	PLATE ASSY, ORNAMENTAL (L) (KV-C2571D)		72	3-651-853-01	CUSHION (KV-C2971D)	
58	X-4200-107-1	PLATE ASSY, ORNAMENTAL (L) (KV-C2971D)		73	*4-385-916-01	HOLDER (D) (KV-C2571D)	
59	4-202-020-01	WINDOW, ORNAMENTAL (KV-C2571D)		74	4-373-263-11	SCREW (M), PT (KV-C2571D)	
60	4-200-989-01	WINDOW, ORNAMENTAL (KV-C2971D)		75	4-200-976-01	SCREW, PT (KV-C2971D)	
61	4-202-023-01	CLIP, CONTACT (KV-C2571D)		76	4-202-027-01	CUSHION, BOX (KV-C2571D)	
62	4-200-992-01	CLIP, CONTACT (KV-C2971D)		77	4-200-995-01	CUSHION, BOX (KV-C2971D)	
63	X-4200-102-1	PLATE ASSY, ORNAMENTAL (R) (KV-C2571D)		78	A-1678-036-A	BOX COMPLETE ASSY (KV-C2571D)	75.76
64	X-4200-106-1	PLATE ASSY, ORNAMENTAL (R) (KV-C2971D)		79	A-1678-048-A	BOX ASSY (KV-C2971D)	75.76
65	4-202-021-21	DOOR (KV-C2571D)		80	1-504-146-11	SPEAKER (5X11CM)	
66	4-200-990-21	DOOR (KV-C2971D)		81	4-202-029-01	STOPPER (KV-C2571D)	
67	Δ 8-733-231-05	PICTURE TUBE (A59JWC61X) (KV-C2571D)		82	4-200-999-01	STOPPER (KV-C2971D)	
68	Δ 8-733-831-05	PICTURE TUBE (A68JYL61X) (KV-C2971D)		83	4-308-870-00	CLIP, LEAD WIRE	
69	3-704-495-01	SPACER, DY		84	1-452-032-00	MAGNET, DISK; 10MM	
70	Δ 1-451-311-21	DEFLECTION YOKE (Y25FXA) (KV-C2571D)		85	1-452-094-00	MAGNET, ROTABLE DISK; 15MM	
71	Δ 1-451-313-21	DEFLECTION YOKE (Y29FXA) (KV-C2971D)		86	X-4306-312-0	PERMALLOY ASSY, CONVERGENCE	
72	Δ 1-452-509-42	NECK ASSY, PICTURE TUBE (NA-308) (KV-C2971D)		87	X-4200-104-1	CABINET ASSY (WITH BEZEL ASSY) (KV-C2571D)	52-58
73	*1-634-193-11	VM BOARD (KV-C2971D)		88	*4-387-284-01	HOLDER LEAD (KV-C2571D)	
74	*A-1638-015-A	C BOARD, COMPLETE (KV-C2571D)					
75	*A-1638-013-A	C BOARD, COMPLETE (KV-C2971D)					

6-3. SPEAKER

■: BVTP 4 × 16 7-885-883-79



REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
101	A-1678-037-A	BOX ASSY, WOOFER (KV-C2571D)	102~104	103	1-544-767-11	SPEAKER (13CM)	
	A-1678-053-A	BOX ASSY, WOOFER (KV-C2971D)	102~104	104	1-696-554-11	CABLE, SPEAKER (WITH PLUG)	
102	4-202-030-01	CLIP					

B1

SECTION 7
ELECTRICAL PARTS LISTKV-C2571D/C2971D
RM-816

B1

NOTE:

The components identified by shading and mark Δ are critical for safety. Replace only with part number specified.

Items marked " * " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

All variable and adjustable resistors have characteristic curve B, unless otherwise noted.

RESISTORS

All resistors are in ohms
F : nonflammable

When indicating parts by reference number, please include the board name.

CAPACITORS

COILS

MF : μ F, PF : μ F MMH : mH, UH : μ H

REF. NO.	PART NO.	DESCRIPTION	REMARK	REF. NO.	PART NO.	DESCRIPTION	REMARK
*A-1621-030-A	B1 BOARD, COMPLETE (KV-C2571D)			C340	1-126-103-11	ELECT 470MF	20% 16V
*A-1621-031-A	B1 BOARD, COMPLETE (KV-C2971D)			C341	1-163-031-11	CERAMIC CHIP 0.01MF	20% 50V
				C342	1-124-903-11	ELECT 1MF	20% 50V
<CONNECTOR>							
B31	*1-565-393-11	CONNECTOR, BOARD TO BOARD		C343	1-163-038-00	CERAMIC CHIP 0.1MF	20% 25V
B32	*1-565-393-11	CONNECTOR, BOARD TO BOARD		C344	1-124-903-11	ELECT 1MF	10% 100V
B33	*1-565-393-11	CONNECTOR, BOARD TO BOARD		C345	1-137-094-11	FILM 0.047MF	10% 100V
B72	*1-568-881-51	PIN, CONNECTOR 6P		C346	1-137-033-11	FILM 0.33MF	10% 100V
B73	*1-568-878-51	PIN, CONNECTOR 3P		C347	1-137-098-11	FILM 0.1MF	10% 100V
<CAPACITOR>							
C301	1-137-031-11	FILM 0.22MF	10% 100V	C348	1-137-102-11	FILM 0.022MF	10% 250V
C302	1-137-031-11	FILM 0.22MF	10% 100V	C349	1-137-102-11	FILM 0.022MF	10% 250V
C303	1-124-122-11	ELECT 100MF	20% 50V	C350	1-124-902-00	ELECT 0.47MF	20% 50V
C304	1-137-031-11	FILM 0.22MF	10% 100V	C351	1-137-102-11	FILM 0.022MF	10% 250V
C305	1-164-232-11	CERAMIC CHIP 0.01MF	10% 50V	C352	1-163-031-11	CERAMIC CHIP 0.01MF	20% 50V
C306	1-124-902-00	ELECT 0.47MF	20% 50V	C353	1-126-101-11	ELECT 100MF	20% 16V
C307	1-124-902-00	ELECT 0.47MF	20% 50V	C354	1-163-031-11	CERAMIC CHIP 0.01MF	20% 16V
C308	1-124-902-00	ELECT 0.47MF	20% 50V	C355	1-126-101-11	ELECT 100MF	20% 16V
C309	1-124-902-00	ELECT 0.47MF	20% 50V	C356	1-163-031-11	CERAMIC CHIP 0.01MF	20% 50V
C310	1-137-098-11	FILM 0.1MF	10% 100V	C357	1-163-031-11	CERAMIC CHIP 0.01MF	20% 50V
C311	1-137-098-11	FILM 0.1MF	10% 100V	C358	1-163-031-11	CERAMIC CHIP 0.01MF	20% 50V
C312	1-124-902-00	ELECT 0.47MF	20% 50V	C360	1-163-031-11	CERAMIC CHIP 0.01MF	50V
C313	1-124-902-00	ELECT 0.47MF	20% 50V	C361	1-163-031-11	CERAMIC CHIP 0.01MF	50V
C314	1-124-902-00	ELECT 0.47MF	20% 50V	C363	1-163-033-00	CERAMIC CHIP 0.022MF	50V
C315	1-124-903-11	ELECT 1MF	20% 50V	C371	1-163-031-11	CERAMIC CHIP 0.01MF	20% 16V
C316	1-124-927-11	ELECT 4.7MF	20% 50V	C372	1-124-477-11	ELECT 47MF	20% 16V
C317	1-163-031-11	CERAMIC CHIP 0.01MF	20% 50V	C373	1-124-477-11	ELECT 47MF	20% 16V
C318	1-124-927-11	ELECT 4.7MF	20% 50V	C374	1-163-090-00	CERAMIC CHIP 7PF	0.25PF 50V
C319	1-124-927-11	ELECT 4.7MF	20% 50V	C375	1-163-090-00	CERAMIC CHIP 7PF	0.25PF 50V
C320	1-124-910-11	ELECT 47MF	20% 50V	C376	1-124-034-51	ELECT 33MF	20% 16V
C321	1-137-027-11	FILM 0.82MF	10% 63V	C377	1-124-119-00	ELECT 330MF	20% 16V
C322	1-163-077-00	CERAMIC CHIP 0.1MF	20% 50V	C378	1-124-034-51	ELECT 33MF	20% 16V
C323	1-163-031-11	CERAMIC CHIP 0.01MF	20% 50V	C379	1-163-090-00	CERAMIC CHIP 7PF	0.25PF 50V
C324	1-163-031-11	CERAMIC CHIP 0.01MF	20% 50V	C380	1-163-090-00	CERAMIC CHIP 7PF	0.25PF 50V
C325	1-163-038-00	CERAMIC CHIP 0.1MF	20% 50V	C381	1-163-105-00	CERAMIC CHIP 33PF	5% 50V
C326	1-124-910-11	ELECT 47MF	20% 50V	C382	1-163-121-00	CERAMIC CHIP 150PF	5% 50V
C327	1-124-910-11	ELECT 47MF	20% 50V	C383	1-163-197-00	CERAMIC CHIP 470PF	5% 50V
C328	1-163-038-00	CERAMIC CHIP 0.1MF	20% 50V	C384	1-163-103-00	CERAMIC CHIP 27PF	5% 50V
C329	1-163-123-00	CERAMIC CHIP 180PF	5% 50V	C385	1-163-093-00	CERAMIC CHIP 10PF	5% 50V
C330	1-163-125-00	CERAMIC CHIP 220PF	5% 50V	C386	1-163-377-11	CERAMIC CHIP 100PF	5% 50V
C331	1-137-098-11	FILM 0.1MF	10% 100V	C387	1-163-113-00	CERAMIC CHIP 68PF	5% 50V
C332	1-137-098-11	FILM 0.1MF	10% 100V	C388	1-163-031-11	CERAMIC CHIP 0.01MF	5% 50V
C333	1-163-237-11	CERAMIC CHIP 27PF	5% 50V	C389	1-163-097-00	CERAMIC CHIP 15PF	20% 50V
C335	1-163-119-00	CERAMIC CHIP 120PF	5% 50V	C390	1-124-907-11	ELECT 10MF	20% 50V
C337	1-163-237-11	CERAMIC CHIP 27PF	5% 50V	C391	1-124-907-11	ELECT 10MF	20% 50V
C338	1-137-102-11	FILM 0.022MF	10% 250V	C392	1-124-907-11	ELECT 10MF	20% 50V
C339	1-163-031-11	CERAMIC CHIP 0.01MF	20% 50V	C393	1-126-101-11	ELECT 100MF	20% 16V
				C394	1-126-101-11	ELECT 100MF	20% 16V
				C395	1-126-101-11	ELECT 100MF	20% 16V
				C396	1-126-101-11	ELECT 100MF	20% 16V
				C397	1-137-028-11	FILM 1MF	10% 63V
				C398	1-124-907-11	ELECT 10MF	20% 50V
				C399	1-163-038-00	CERAMIC CHIP 0.1MF	5% 25V
				C1301	1-163-105-00	CERAMIC CHIP 33PF	5% 50V

The components identified by shading and mark Δ are critical for safety. Replace only with part number specified.

REF. NO.	PART NO.	DESCRIPTION	REMARK	REF. NO.	PART NO.	DESCRIPTION	REMARK
C1302	1-163-235-11	CERAMIC CHIP 22PF	5% 50V	<DELAY LINE>			
C1303	1-163-038-00	CERAMIC CHIP 0.1MF	25V	DL301	1-415-613-11	DELAY LINE, Y	
C1304	1-124-907-11	ELECT 10MF	20% 50V	<FILTER>			
C1305	1-126-101-11	ELECT 100MF	20% 16V	FL301	1-236-620-11	FILTER, LOW PASS	
C1306	1-163-038-00	CERAMIC CHIP 0.1MF	25V	FL302	1-236-620-11	FILTER, LOW PASS	
C1307	1-163-038-00	CERAMIC CHIP 0.1MF	25V	FL303	1-236-620-11	FILTER, LOW PASS	
C1308	1-163-038-00	CERAMIC CHIP 0.1MF	25V	FL305	1-236-164-11	ENCAPSULATED COMPONENT	
C1309	1-163-031-11	CERAMIC CHIP 0.01MF	50V	<IC>			
C1310	1-163-031-11	CERAMIC CHIP 0.01MF	50V	IC301	8-759-517-43	IC TDA4580-V7	
C1311	1-163-038-00	CERAMIC CHIP 0.1MF	25V	IC302	8-759-980-60	IC TDA8442N3	
C1312	1-163-038-00	CERAMIC CHIP 0.1MF	25V	IC303	8-759-510-48	IC TDA4660T	
C1313	1-163-038-00	CERAMIC CHIP 0.1MF	25V	IC304	8-759-510-47	IC TDA4650WP/V4	
C1314	1-163-109-00	CERAMIC CHIP 47PF	5% 50V	IC305	8-759-144-84	IC UPC24M05HF	
C1315	1-163-038-00	CERAMIC CHIP 0.1MF	25V	IC306	8-759-510-50	IC HCF4052BM	
C1316	1-163-141-00	CERAMIC CHIP 0.001MF	5% 50V	IC308	8-752-006-12	IC CX2006T	
C1317	1-163-038-00	CERAMIC CHIP 0.1MF	25V	IC310	8-752-337-07	IC CXD2011Q	
C1318	1-163-038-00	CERAMIC CHIP 0.1MF	25V	IC311	8-759-996-49	IC MB40968PF	
C1319	1-163-031-11	CERAMIC CHIP 0.01MF	50V	IC312	8-752-338-45	IC CXK1202Q	
C1320	1-163-031-11	CERAMIC CHIP 0.01MF	50V	IC313	8-752-338-45	IC CXK1202Q	
C1321	1-163-031-11	CERAMIC CHIP 0.01MF	50V	IC315	8-752-334-55	IC CXD1175AM	
C1322	1-163-031-11	CERAMIC CHIP 0.01MF	50V	<COIL>			
C1323	1-163-031-11	CERAMIC CHIP 0.01MF	50V	L301	1-408-405-00	INDUCTOR 4.7UH	
C1324	1-163-033-00	CERAMIC CHIP 0.022MF	50V	L303	1-404-554-11	COIL	
C1325	1-163-038-00	CERAMIC CHIP 0.1MF	25V	L304	1-408-405-00	INDUCTOR 4.7UH	
C1326	1-163-031-11	CERAMIC CHIP 0.01MF	50V	L305	1-408-402-00	INDUCTOR 2.7UH	
C1327	1-163-115-00	CERAMIC CHIP 82PF	5% 50V	L306	1-408-405-00	INDUCTOR 4.7UH	
C1328	1-163-809-11	CERAMIC CHIP 0.047MF	10% 25V	L308	1-404-495-00	COIL	
C1329	1-163-035-00	CERAMIC CHIP 0.047MF	50V	L309	1-408-415-00	INDUCTOR 33UH	
C1330	1-164-232-11	CERAMIC CHIP 0.01MF	10% 50V	L310	1-408-419-00	INDUCTOR 68UH	
C1331	1-164-187-11	CERAMIC CHIP 390PF	2% 50V	L312	1-404-495-00	COIL	
C1333	1-126-101-11	ELECT 100MF	20% 16V	L313	1-404-554-11	COIL	
C1334	1-126-233-11	ELECT 22MF	20% 50V	L314	1-408-409-00	INDUCTOR 10UH	
<TRIMMER>							
CT301	1-141-418-11	CAP, ADJ		L320	1-408-405-00	INDUCTOR 4.7UH	
CT302	1-141-418-11	CAP, ADJ		L321	1-408-405-00	INDUCTOR 4.7UH	
<DIODE>							
D301	8-719-951-22	DIODE 1N910		L323	1-408-398-00	INDUCTOR 1.2UH	
D304	8-719-989-26	DIODE DAN212K		L325	1-408-405-00	INDUCTOR 4.7UH	
D305	8-719-989-26	DIODE DAN212K		L326	1-408-421-00	INDUCTOR 100UH	
D307	8-719-106-62	DIODE RD11M-B2		L327	1-408-402-00	INDUCTOR 2.7UH	
D308	8-719-989-26	DIODE DAN212K		L1301	1-408-425-00	INDUCTOR 220UH	
D309	8-719-989-26	DIODE DAN212K		<IC LINK>			
D310	8-719-106-62	DIODE RD11M-B2		PS301	1-532-605-91	LINK, IC 0.4A	
D311	8-719-106-62	DIODE RD11M-B2		<TRANSISTOR>			
D312	8-719-106-62	DIODE RD11M-B2		Q301	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
D314	8-719-800-76	DIODE 1SS226		Q302	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
D318	8-719-800-76	DIODE 1SS226		Q303	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
D319	8-719-800-76	DIODE 1SS226		Q304	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
D320	8-719-800-76	DIODE 1SS226		Q305	8-729-901-06	TRANSISTOR DTA144EK	
D321	8-719-105-91	DIODE RD5.6M-B2		Q306	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
D322	8-719-400-18	DIODE MA152WK		Q307	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
D330	8-719-989-26	DIODE DAN212K		Q308	8-729-901-00	TRANSISTOR DTC124EK	
D331	8-719-914-44	DIODE DAP202K		Q310	8-729-901-00	TRANSISTOR DTC124EK	
D333	8-719-951-22	DIODE 1N910		Q311	8-729-901-00	TRANSISTOR DTC124EK	
D336	8-719-400-18	DIODE MA152WK		Q320	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
D340	8-719-800-76	DIODE 1SS226		Q321	8-729-216-22	TRANSISTOR 2SA1162-G	
D341	8-719-989-26	DIODE DAN212K					

B1

REF. NO.	PART NO.	DESCRIPTION	REMARK	REF. NO.	PART NO.	DESCRIPTION	REMARK
Q322	8-729-216-22	TRANSISTOR 2SA1162-G		R307	1-216-097-00	METAL GLAZE 100K 5%	1/10W
Q323	8-729-120-28	TRANSISTOR 2SC1623-L5L6		R309	1-216-025-00	METAL GLAZE 100 5%	1/10W
Q324	8-729-120-28	TRANSISTOR 2SC1623-L5L6		R310	1-216-025-00	METAL GLAZE 100 5%	1/10W
Q327	8-729-216-22	TRANSISTOR 2SA1162-G		R311	1-216-025-00	METAL GLAZE 100 5%	1/10W
Q328	8-729-216-22	TRANSISTOR 2SA1162-G		R312	1-216-021-00	METAL GLAZE 68 5%	1/10W
Q329	8-729-216-22	TRANSISTOR 2SA1162-G		R313	1-216-021-00	METAL GLAZE 68 5%	1/10W
Q330	8-729-120-28	TRANSISTOR 2SC1623-L5L6		R314	1-216-021-00	METAL GLAZE 68 5%	1/10W
Q331	8-729-216-22	TRANSISTOR 2SA1162-G		R316	1-216-081-00	METAL GLAZE 22K 5%	1/10W
Q332	8-729-216-22	TRANSISTOR 2SA1162-G		R317	1-216-033-00	METAL GLAZE 220 5%	1/10W
Q333	8-729-901-00	TRANSISTOR DTC124EK		R318	1-216-073-00	METAL GLAZE 10K 5%	1/10W
Q334	8-729-901-00	TRANSISTOR DTC124EK		R319	1-216-073-00	METAL GLAZE 10K 5%	1/10W
Q335	8-729-120-28	TRANSISTOR 2SC1623-L5L6		R320	1-216-198-00	METAL GLAZE 1K 5%	1/8W
Q336	8-729-120-28	TRANSISTOR 2SC1623-L5L6		R321	1-216-073-00	METAL GLAZE 10K 5%	1/10W
Q337	8-729-120-28	TRANSISTOR 2SC1623-L5L6		R322	1-216-073-00	METAL GLAZE 10K 5%	1/10W
Q338	8-729-216-22	TRANSISTOR 2SA1162-G		R323	1-216-057-00	METAL GLAZE 2.2K 5%	1/10W
Q339	8-729-120-28	TRANSISTOR 2SC1623-L5L6		R324	1-216-049-00	METAL GLAZE 1K 5%	1/10W
Q340	8-729-120-28	TRANSISTOR 2SC1623-L5L6		R325	1-216-033-00	METAL GLAZE 220 5%	1/10W
Q341	8-729-120-28	TRANSISTOR 2SC1623-L5L6		R326	1-216-311-00	METAL GLAZE 6.8 5%	1/10W
Q342	8-729-120-28	TRANSISTOR 2SC1623-L5L6		R327	1-216-311-00	METAL GLAZE 6.8 5%	1/10W
Q343	8-729-120-28	TRANSISTOR 2SC1623-L5L6		R328	1-216-311-00	METAL GLAZE 6.8 5%	1/10W
Q344	8-729-120-28	TRANSISTOR 2SC1623-L5L6		R329	1-216-031-00	METAL GLAZE 180 5%	1/10W
Q345	8-729-120-28	TRANSISTOR 2SC1623-L5L6		R330	1-216-031-00	METAL GLAZE 180 5%	1/10W
Q346	8-729-120-28	TRANSISTOR 2SC1623-L5L6		R331	1-216-031-00	METAL GLAZE 180 5%	1/10W
Q347	8-729-120-28	TRANSISTOR 2SC1623-L5L6		R332	1-216-182-00	METAL GLAZE 220 5%	1/8W
Q348	8-729-901-00	TRANSISTOR DTC124EK		R333	1-216-033-00	METAL GLAZE 220 5%	1/10W
Q350	8-729-120-28	TRANSISTOR 2SC1623-L5L6		R335	1-216-101-00	METAL GLAZE 150K 5%	1/10W
Q352	8-729-216-22	TRANSISTOR 2SA1162-G		R336	1-216-073-00	METAL GLAZE 10K 5%	1/10W
Q353	8-729-120-28	TRANSISTOR 2SC1623-L5L6		R337	1-216-093-00	METAL GLAZE 68K 5%	1/10W
Q354	8-729-120-28	TRANSISTOR 2SC1623-L5L6		R338	1-216-085-00	METAL GLAZE 33K 5%	1/10W
Q355	8-729-120-28	TRANSISTOR 2SC1623-L5L6		R339	1-216-083-00	METAL GLAZE 27K 5%	1/10W
Q356	8-729-216-22	TRANSISTOR 2SA1162-G		R340	1-216-107-00	METAL GLAZE 270K 5%	1/10W (KV-C2571D)
Q357	8-729-216-22	TRANSISTOR 2SA1162-G			1-216-105-00	METAL GLAZE 220K 5%	1/10W (KV-C2971D)
Q358	8-729-120-28	TRANSISTOR 2SC1623-L5L6		R341	1-216-115-00	METAL GLAZE 560K 5%	1/10W
Q359	8-729-216-22	TRANSISTOR 2SA1162-G		R342	1-216-069-00	METAL GLAZE 6.8K 5%	1/10W
Q360	8-729-120-28	TRANSISTOR 2SC1623-L5L6		R343	1-216-035-00	METAL GLAZE 270 5%	1/10W (KV-C2571D)
Q361	8-729-120-28	TRANSISTOR 2SC1623-L5L6			1-216-055-00	METAL GLAZE 1.8K 5%	1/10W (KV-C2971D)
Q362	8-729-120-28	TRANSISTOR 2SC1623-L5L6		R344	1-216-089-00	METAL GLAZE 47K 5%	1/10W
Q363	8-729-120-28	TRANSISTOR 2SC1623-L5L6		R345	1-216-097-00	METAL GLAZE 100K 5%	1/10W
Q364	8-729-216-22	TRANSISTOR 2SA1162-G		R346	1-216-033-00	METAL GLAZE 220 5%	1/10W
Q365	8-729-216-22	TRANSISTOR 2SA1162-G		R347	1-216-121-00	METAL GLAZE 1M 5%	1/10W
Q366	8-729-120-28	TRANSISTOR 2SC1623-L5L6		R348	1-216-001-00	METAL GLAZE 10 5%	1/10W
Q367	8-729-120-28	TRANSISTOR 2SC1623-L5L6		R349	1-216-001-00	METAL GLAZE 10 5%	1/10W
Q368	8-729-120-28	TRANSISTOR 2SC1623-L5L6		R350	1-216-184-00	METAL GLAZE 270 5%	1/8W
Q369	8-729-120-28	TRANSISTOR 2SC1623-L5L6		R351	1-216-184-00	METAL GLAZE 270 5%	1/8W
Q370	8-729-120-28	TRANSISTOR 2SC1623-L5L6		R352	1-216-070-00	METAL GLAZE 7.5K 5%	1/10W
Q371	8-729-120-28	TRANSISTOR 2SC1623-L5L6		R353	1-216-073-00	METAL GLAZE 10K 5%	1/10W
Q372	8-729-120-28	TRANSISTOR 2SC1623-L5L6		R354	1-216-037-00	METAL GLAZE 330 5%	1/10W
Q373	8-729-901-00	TRANSISTOR DTC124EK		R355	1-216-033-00	METAL GLAZE 220 5%	1/10W
Q1301	8-729-901-00	TRANSISTOR DTC124EK		R357	1-216-061-00	METAL GLAZE 3.3K 5%	1/10W
Q1302	8-729-120-28	TRANSISTOR 2SC1623-L5L6		R358	1-216-037-00	METAL GLAZE 330 5%	1/10W
Q1303	8-729-901-00	TRANSISTOR DTC124EK		R359	1-216-041-00	METAL GLAZE 470 5%	1/10W
<RESISTOR>				R361	1-216-065-00	METAL GLAZE 4.7K 5%	1/10W
JR302	1-216-295-00	METAL GLAZE 0 5%	1/10W	R362	1-216-065-00	METAL GLAZE 4.7K 5%	1/10W
JR304	1-216-296-00	METAL GLAZE 0 5%	1/8W	R363	1-216-069-00	METAL GLAZE 6.8K 5%	1/10W
JR305	1-216-295-00	METAL GLAZE 0 5%	1/10W	R364	1-216-033-00	METAL GLAZE 220 5%	1/10W
JR391	1-216-295-00	METAL GLAZE 0 5%	1/10W	R365	1-216-035-00	METAL GLAZE 270 5%	1/10W
R301	1-216-033-00	METAL GLAZE 220 5%	1/10W	R366	1-216-069-00	METAL GLAZE 6.8K 5%	1/10W
R302	1-216-033-00	METAL GLAZE 220 5%	1/10W	R367	1-216-069-00	METAL GLAZE 6.8K 5%	1/10W
R303	1-216-033-00	METAL GLAZE 220 5%	1/10W	R368	1-216-071-00	METAL GLAZE 8.2K 5%	1/10W
R304	1-216-081-00	METAL GLAZE 22K 5%	1/10W				
R305	1-216-057-00	METAL GLAZE 2.2K 5%	1/10W				
R306	1-216-035-00	METAL GLAZE 270 5%	1/10W				

B1

REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
R369	1-216-071-00	METAL GLAZE 8.2K 5%	1/10W	R1336	1-216-057-00	METAL GLAZE 2.2K 5%	1/10W
R370	1-216-097-00	METAL GLAZE 100K 5%	1/10W	R1337	1-216-659-11	METAL CHIP 2.2K 0.50%	1/10W
R371	1-216-049-00	METAL GLAZE 1K 5%	1/10W	R1338	1-216-085-00	METAL GLAZE 33K 5%	1/10W
R372	1-216-033-00	METAL GLAZE 220 5%	1/10W	R1339	1-216-039-00	METAL GLAZE 390 5%	1/10W
R373	1-216-061-00	METAL GLAZE 3.3K 5%	1/10W	R1340	1-216-025-00	METAL GLAZE 100 5%	1/10W
R374	1-216-033-00	METAL GLAZE 220 5%	1/10W	R1341	1-216-667-11	METAL CHIP 4.7K 0.50%	1/10W
R375	1-216-043-00	METAL GLAZE 560 5%	1/10W	R1342	1-216-025-00	METAL GLAZE 100 5%	1/10W
R376	1-216-057-00	METAL GLAZE 2.2K 5%	1/10W	R1343	1-216-043-00	METAL GLAZE 560 5%	1/10W
R377	1-216-081-00	METAL GLAZE 22K 5%	1/10W	R1344	1-216-057-00	METAL GLAZE 2.2K 5%	1/10W
R378	1-216-081-00	METAL GLAZE 22K 5%	1/10W	R1345	1-216-077-00	METAL GLAZE 15K 5%	1/10W
R379	1-216-081-00	METAL GLAZE 22K 5%	1/10W	R1346	1-216-025-00	METAL GLAZE 100 5%	1/10W
R380	1-216-073-00	METAL GLAZE 10K 5%	1/10W	R1347	1-216-025-00	METAL GLAZE 100 5%	1/10W
R381	1-216-073-00	METAL GLAZE 10K 5%	1/10W	R1348	1-216-085-00	METAL GLAZE 33K 5%	1/10W
R382	1-216-093-00	METAL GLAZE 68K 5%	1/10W	R1349	1-216-075-00	METAL GLAZE 12K 5%	1/10W
R383	1-216-073-00	METAL GLAZE 10K 5%	1/10W	R1350	1-216-039-00	METAL GLAZE 390 5%	1/10W
R384	1-216-093-00	METAL GLAZE 68K 5%	1/10W	R1351	1-216-071-00	METAL GLAZE 8.2K 5%	1/10W
R385	1-216-073-00	METAL GLAZE 10K 5%	1/10W	R1352	1-216-041-00	METAL GLAZE 470 5%	1/10W
R386	1-216-093-00	METAL GLAZE 68K 5%	1/10W	R1353	1-216-065-00	METAL GLAZE 4.7K 5%	1/10W
R387	1-216-065-00	METAL GLAZE 4.7K 5%	1/10W	R1354	1-216-071-00	METAL GLAZE 8.2K 5%	1/10W
R388	1-216-053-00	METAL GLAZE 1.5K 5%	1/10W	R1355	1-216-045-00	METAL GLAZE 680 5%	1/10W
R389	1-216-049-00	METAL GLAZE 1K 5%	1/10W	R1356	1-216-055-00	METAL GLAZE 1.8K 5%	1/10W
R390	1-216-049-00	METAL GLAZE 1K 5%	1/10W	R1357	1-216-049-00	METAL GLAZE 1K 5%	1/10W
R391	1-216-097-00	METAL GLAZE 100K 5%	1/10W	R1358	1-216-081-00	METAL GLAZE 22K 5%	1/10W
R392	1-216-097-00	METAL GLAZE 100K 5%	1/10W	R1359	1-216-049-00	METAL GLAZE 1K 5%	1/10W
R393	1-216-097-00	METAL GLAZE 100K 5%	1/10W	R1360	1-216-051-00	METAL GLAZE 1.2K 5%	1/10W
R394	1-216-065-00	METAL GLAZE 4.7K 5%	1/10W	R1361	1-216-049-00	METAL GLAZE 1K 5%	1/10W
R395	1-216-097-00	METAL GLAZE 100K 5%	1/10W	R1362	1-216-055-00	METAL GLAZE 1.8K 5%	1/10W
R396	1-216-097-00	METAL GLAZE 100K 5%	1/10W	R1363	1-216-039-00	METAL GLAZE 390 5%	1/10W
R397	1-216-047-00	METAL GLAZE 820 5%	1/10W	R1364	1-216-049-00	METAL GLAZE 1K 5%	1/10W
R398	1-216-035-00	METAL GLAZE 270 5%	1/10W	R1365	1-216-059-00	METAL GLAZE 2.7K 5%	1/10W
R399	1-216-085-00	METAL GLAZE 33K 5%	1/10W	R1366	1-216-083-00	METAL GLAZE 27K 5%	1/10W
R1301	1-216-065-00	METAL GLAZE 4.7K 5%	1/10W	R1367	1-216-059-00	METAL GLAZE 2.7K 5%	1/10W
R1302	1-216-089-00	METAL GLAZE 47K 5%	1/10W	R1368	1-216-033-00	METAL GLAZE 220 5%	1/10W
R1303	1-216-081-00	METAL GLAZE 22K 5%	1/10W	R1369	1-216-031-00	METAL GLAZE 180 5%	1/10W
R1305	1-216-053-00	METAL GLAZE 1.5K 5%	1/10W	R1370	1-216-057-00	METAL GLAZE 2.2K 5%	1/10W
R1308	1-216-295-00	METAL GLAZE 0 5%	1/10W (KV-C2571D)	R1371	1-216-031-00	METAL GLAZE 180 5%	1/10W
	1-216-065-00	METAL GLAZE 4.7K 5%	1/10W (KV-C2971D)	R1372	1-216-047-00	METAL GLAZE 820 5%	1/10W
R1309	1-216-023-00	METAL GLAZE 82 5%	1/10W	R1373	1-216-035-00	METAL GLAZE 270 5%	1/10W
R1310	1-216-047-00	METAL GLAZE 820 5%	1/10W	R1374	1-216-202-00	METAL GLAZE 1.5K 5%	1/8W
R1311	1-216-073-00	METAL GLAZE 10K 5%	1/10W	R1375	1-216-208-00	METAL GLAZE 2.7K 5%	1/8W
R1312	1-216-039-00	METAL GLAZE 390 5%	1/10W	R1376	1-216-689-11	METAL GLAZE 39K 5%	1/10W
R1313	1-216-043-00	METAL GLAZE 560 5%	1/10W	R1377	1-216-689-11	METAL GLAZE 39K 5%	1/10W
R1314	1-216-085-00	METAL GLAZE 33K 5%	1/10W	R1378	1-216-689-11	METAL GLAZE 39K 5%	1/10W
R1315	1-216-049-00	METAL GLAZE 1K 5%	1/10W	R1379	1-216-689-11	METAL GLAZE 39K 5%	1/10W
R1316	1-216-073-00	METAL GLAZE 10K 5%	1/10W	R1380	1-216-053-00	METAL GLAZE 1.5K 5%	1/10W
R1319	1-216-049-00	METAL GLAZE 1K 5%	1/10W	R1381	1-216-033-00	METAL GLAZE 220 5%	1/10W
R1320	1-216-641-11	METAL CHIP 390 0.50%	1/10W	R1382	1-216-089-00	METAL GLAZE 47K 5%	1/10W
R1321	1-216-073-00	METAL GLAZE 10K 5%	1/10W	R1383	1-216-053-00	METAL GLAZE 1.5K 5%	1/10W
R1322	1-216-067-00	METAL GLAZE 5.6K 5%	1/10W	R1384	1-216-089-00	METAL GLAZE 47K 5%	1/10W
R1323	1-216-643-11	METAL CHIP 470 0.50%	1/10W	R1385	1-216-055-00	METAL GLAZE 1.8K 5%	1/10W
R1324	1-216-073-00	METAL GLAZE 10K 5%	1/10W	R1386	1-216-047-00	METAL GLAZE 820 5%	1/10W
R1325	1-216-037-00	METAL GLAZE 330 5%	1/10W	R1387	1-216-031-00	METAL GLAZE 180 5%	1/10W
R1326	1-216-045-00	METAL GLAZE 680 5%	1/10W	R1388	1-216-073-00	METAL GLAZE 10K 5%	1/10W
R1327	1-216-029-00	METAL GLAZE 150 5%	1/10W	R1389	1-216-073-00	METAL GLAZE 10K 5%	1/10W
R1328	1-216-073-00	METAL GLAZE 10K 5%	1/10W	R1390	1-216-093-00	METAL GLAZE 68K 5%	1/10W
R1329	1-216-049-00	METAL GLAZE 1K 5%	1/10W	R1391	1-216-208-00	METAL GLAZE 2.7K 5%	1/8W
R1330	1-216-081-00	METAL GLAZE 22K 5%	1/10W	R1392	1-216-047-00	METAL GLAZE 820 5%	1/10W
R1331	1-216-081-00	METAL GLAZE 22K 5%	1/10W	R1393	1-216-047-00	METAL GLAZE 820 5%	1/10W
R1332	1-216-049-00	METAL GLAZE 1K 5%	1/10W	R1394	1-216-081-00	METAL GLAZE 22K 5%	1/10W
R1333	1-216-077-00	METAL GLAZE 15K 5%	1/10W	R1395	1-216-081-00	METAL GLAZE 22K 5%	1/10W
R1334	1-216-075-00	METAL GLAZE 12K 5%	1/10W	R1396	1-216-073-00	METAL GLAZE 10K 5%	1/10W
R1335	1-216-043-00	METAL GLAZE 560 5%	1/10W	R1397	1-216-073-00	METAL GLAZE 10K 5%	1/10W
				R1398	1-216-001-00	METAL GLAZE 10 5%	1/10W

B1 F A

The components identified by
shading and mark Δ are critical
for safety.
Replace only with part number
specified.

REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
R1399	1-216-029-00	METAL GLAZE 150 5% 1/10W		C177	1-102-074-00	CERAMIC 0.001MF 10% 50V	
		<VARIABLE RESISTOR>		C181	1-101-004-00	CERAMIC 0.01MF 50V (KV-C2971D)	
RV301	1-238-012-11	RES, ADJ, CARBON 1K				<IC>	
		<CRYSTAL>		IC103	8-759-979-62	IC PCF8574	
X301	1-567-307-11	OSCILLATOR, CRYSTAL				<COIL>	
X302	1-567-131-00	OSCILLATOR, CRYSTAL		L100	1-410-683-31	INDUCTOR 560UH	
*****				L101	1-408-225-00	INDUCTOR 3.3UH	
*A-1624-008-A	F BOARD, COMPLETE (KV-C2571D)			L102	1-408-413-00	INDUCTOR 22UH	
	*****			L107	1-408-397-00	INDUCTOR 1UH	
*A-1624-007-A	F BOARD, COMPLETE (KV-C2971D)					<TRANSISTOR>	
	*****			Q113	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
*4-341-752-01	EYELET			Q114	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
	<CONNECTOR>			Q115	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
F61	*1-580-844-11	PIN, CONNECTOR (POWER)		Q116	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
F62	*1-580-844-11	PIN, CONNECTOR (POWER)		Q125	8-729-900-89	TRANSISTOR DTC144ES	
	<FUSE>			Q126	8-729-901-06	TRANSISTOR DTA144EK	
F1601A	1-576-231-21	FUSE (H.B.C.) 4A/250V		Q181	8-729-120-28	TRANSISTOR 2SC1623-L5L6 (KV-C2971D)	
	1-533-230-11	HOLDER, FUSE; F1601				<RESISTOR>	
	<SWITCH>			JR230	1-216-295-00	METAL GLAZE 0 5% 1/10W	
S1701A	1-571-433-12	SWITCH, PUSH (AC POWER)		JR252	1-216-296-00	METAL GLAZE 0 5% 1/8W	
*****				JR253	1-216-296-00	METAL GLAZE 0 5% 1/8W	
*A-1632-054-A	A BOARD, COMPLETE (KV-C2571D)			JR255	1-216-296-00	METAL GLAZE 0 5% 1/8W	
	*****			JR256	1-216-296-00	METAL GLAZE 0 5% 1/8W	
*A-1632-094-A	A BOARD, COMPLETE (KV-C2971D)			JR257	1-216-296-00	METAL GLAZE 0 5% 1/8W	
	*****			JR258	1-216-296-00	METAL GLAZE 0 5% 1/8W	
	<CONNECTOR>			R101	1-216-025-00	METAL GLAZE 100 5% 1/10W	
A11	*1-565-393-11	CONNECTOR, BOARD TO BOARD		R105	1-216-079-00	METAL GLAZE 18K 5% 1/10W	
A12	*1-565-393-11	CONNECTOR, BOARD TO BOARD		R107	1-216-081-00	METAL GLAZE 22K 5% 1/10W	
A13	*1-565-503-11	CONNECTOR, BOARD TO BOARD 12P		R108	1-216-079-00	METAL GLAZE 18K 5% 1/10W	
A16	*1-560-290-00	PLUG, CONNECTOR (2.5MM PITCH) (KV-C2971D)		R110	1-249-429-11	CARBON 10K 5% 1/4W	
A17	*1-564-886-11	PLUG, CONNECTOR 9P (KV-C2971D)		R111	1-216-057-00	METAL GLAZE 2.2K 5% 1/10W	
				R116	1-216-023-00	METAL GLAZE 82 5% 1/10W	
				R118	1-216-085-00	METAL GLAZE 33K 5% 1/10W	
A19	*1-564-881-11	PLUG, CONNECTOR 4P (KV-C2971D)		R128	1-216-027-00	METAL GLAZE 120 5% 1/10W	
	<CAPACITOR>			R129	1-216-057-00	METAL GLAZE 2.2K 5% 1/10W	
C101	1-126-233-11	ELECT 22MF 20% 50V		R130	1-216-057-00	METAL GLAZE 2.2K 5% 1/10W	
C102	1-126-103-11	ELECT 470MF 20% 16V		R157	1-216-049-00	METAL GLAZE 1K 5% 1/10W	
C104	1-124-910-11	ELECT 47MF 20% 50V		R158	1-249-409-11	CARBON 220 5% 1/4W	
C106	1-126-233-11	ELECT 22MF 20% 50V		R159	1-249-409-11	CARBON 220 5% 1/4W	
C108	1-136-165-00	FILM 0.1MF 5% 50V		R161	1-216-089-00	METAL GLAZE 47K 5% 1/10W	
C109	1-163-133-00	CERAMIC CHIP 470PF 5% 50V		R162	1-216-095-00	METAL GLAZE 82K 5% 1/10W	
C111	1-124-925-11	ELECT 2.2MF 20% 50V		R163	1-216-095-00	METAL GLAZE 82K 5% 1/10W	
C115	1-124-925-11	ELECT 2.2MF 20% 50V		R164	1-216-075-00	METAL GLAZE 12K 5% 1/10W	
C127	1-124-122-11	ELECT 100MF 20% 50V		R165	1-216-075-00	METAL GLAZE 12K 5% 1/10W	
C128	1-124-910-11	ELECT 47MF 20% 50V		R167	1-216-059-00	METAL GLAZE 2.7K 5% 1/10W	
				R168	1-216-089-00	METAL GLAZE 47K 5% 1/10W	
C129	1-124-910-11	ELECT 47MF 20% 50V		R169	1-216-059-00	METAL GLAZE 2.7K 5% 1/10W	
C138	1-136-165-00	FILM 0.1MF 5% 50V		R181	1-216-049-00	METAL GLAZE 1K 5% 1/10W	
C171	1-163-005-11	CERAMIC CHIP 470PF 10% 50V				(KV-C2971D)	
C172	1-163-005-11	CERAMIC CHIP 470PF 10% 50V		R182	1-216-065-00	METAL GLAZE 4.7K 5% 1/10W	
						(KV-C2971D)	
				R193	1-216-073-00	METAL GLAZE 10K 5% 1/10W	
				R194	1-216-017-00	METAL GLAZE 47 5% 1/10W	
				R195	1-216-017-00	METAL GLAZE 47 5% 1/10W	

A IFB C

The components identified by
shading and mark Δ are critical
for safety.
Replace only with part number
specified.

REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
R196	1-216-113-00	METAL GLAZE 470K 5% 1/10W		<TRANSISTOR>			
<TUNER>				Q1	8-729-920-74	TRANSISTOR 2SC2412K-QR	
				Q2	8-729-920-74	TRANSISTOR 2SC2412K-QR	
				Q7	8-729-216-22	TRANSISTOR 2SA1162-G	
TU101A	1-465-301-11	TUNER, ET (UV-816(PLL))		<RESISTOR>			
<IF BLOCK>				JC1	1-216-296-00	METAL GLAZE 0 5% 1/8W	
VIF101	1-466-154-11	IF BLOCK (IFG-389S)		R9	1-216-061-00	METAL GLAZE 3.3K 5% 1/10W	
*****				R10	1-216-029-00	METAL GLAZE 150 5% 1/10W	
1-466-154-11 IFB BOARD (IF BLOCK IFG-389S)				R11	1-216-049-00	METAL GLAZE 1K 5% 1/10W	
*****				R12	1-216-049-00	METAL GLAZE 1K 5% 1/10W	
<CAPACITOR>				R13	1-216-041-00	METAL GLAZE 470 5% 1/10W	
C9	1-163-029-11	CERAMIC CHIP 0.0047MF	50V	R15	1-216-067-00	METAL GLAZE 5.6K 5% 1/10W	
C10	1-124-925-11	ELECT 2.2MF	20% 50V	R16	1-216-045-00	METAL GLAZE 680 5% 1/10W	
C11	1-164-232-11	CERAMIC CHIP 0.01MF	10% 50V	R17	1-216-077-00	METAL GLAZE 15K 5% 1/10W	
C12	1-163-029-11	CERAMIC CHIP 0.0047MF	50V	R18	1-216-043-00	METAL GLAZE 560 5% 1/10W	
C13	1-163-029-11	CERAMIC CHIP 0.0047MF	50V	R19	1-216-049-00	METAL GLAZE 1K 5% 1/10W	
C14	1-124-034-51	ELECT 33MF	20% 16V	R20	1-216-045-00	METAL GLAZE 680 5% 1/10W	
C17	1-163-117-00	CERAMIC CHIP 100PF	5% 50V	R21	1-216-295-00	METAL GLAZE 0 5% 1/10W	
C18	1-163-107-00	CERAMIC CHIP 39PF	5% 50V	R22	1-216-093-00	METAL GLAZE 68K 5% 1/10W	
C19	1-126-176-11	ELECT 220MF	20% 10V	R23	1-216-031-00	METAL GLAZE 180 5% 1/10W	
C20	1-123-382-00	ELECT 3.3MF	20% 50V	R24	1-216-081-00	METAL GLAZE 22K 5% 1/10W	
C21	1-163-031-11	CERAMIC CHIP 0.01MF	50V	R30	1-216-081-00	METAL GLAZE 22K 5% 1/10W	
C22	1-163-029-11	CERAMIC CHIP 0.0047MF	50V	R31	1-216-208-00	METAL GLAZE 2.7K 5% 1/8W	
C23	1-130-475-00	MYLAR 0.0022MF	5% 50V	<VARIABLE RESISTOR>			
C24	1-163-113-00	CERAMIC CHIP 68PF	5% 50V	RV1	1-238-550-11	RES, ADJ, CARBON 100K	
C25	1-163-113-00	CERAMIC CHIP 68PF	5% 50V	<TRANSFORMER>			
C28	1-163-029-11	CERAMIC CHIP 0.0047MF	50V	T1	1-404-493-31	COIL	
C29	1-163-029-11	CERAMIC CHIP 0.0047MF	50V	T2	1-404-493-31	COIL	
C30	1-124-034-51	ELECT 33MF	20% 16V	T5	1-404-493-31	COIL	
C31	1-163-085-00	CERAMIC CHIP 2PF	0.25PF 50V	*****			
C32	1-163-113-00	CERAMIC CHIP 68PF	5% 50V	*A-1638-015-A	C BOARD, COMPLETE (KV-C2571D)		
C33	1-124-902-00	ELECT 0.47MF	20% 50V	*****			
C34	1-163-029-11	CERAMIC CHIP 0.0047MF	50V	*A-1638-013-A	C BOARD, COMPLETE (KV-C2971D)		
C35	1-124-034-51	ELECT 33MF	20% 16V	*****			
<FILTER>				*4-379-160-01	COVER (REAR LID), CV		
CF1	1-404-801-11	TRAP, CERAMIC		*4-379-167-01	COVER (MAIN), CV		
<CONNECTOR>				<CONNECTOR>			
CN1	*1-506-913-11	PIN, CONNECTOR 10P		C71	*1-506-371-00	PIN, CONNECTOR 2P	
<IC>				C72	*1-568-881-51	PIN, CONNECTOR 6P	
IC1	8-759-996-04	IC TDA8341/N6		C81	*1-568-878-51	PIN, CONNECTOR 3P	
IC2	8-759-516-81	IC TDA2545A-V4		C82	*1-508-765-00	PIN, CONNECTOR (5MM PITCH) 3P	
<COIL>				<CAPACITOR>			
L2	1-408-410-00	INDUCTOR 12UH		C703	1-102-980-00	CERAMIC 270PF 5% 50V	
L3	1-408-406-00	INDUCTOR 5.6UH		C704	1-102-116-00	CERAMIC 680PF 10% 50V	
L4	1-408-407-00	INDUCTOR 6.8UH		C705	1-102-978-00	CERAMIC 220PF 5% 50V	
L6	1-408-397-00	INDUCTOR 1UH		C706	1-102-116-00	CERAMIC 680PF 10% 50V	
L7	1-408-406-00	INDUCTOR 5.6UH		C707	1-162-116-00	CERAMIC 680PF 10% 2KV	
L8	1-408-406-00	INDUCTOR 5.6UH		C708	1-162-114-00	CERAMIC 0.0047MF 2KV	
				C709	1-102-116-00	CERAMIC 680PF 10% 50V	
				C710	1-123-947-00	ELECT 10MF 20% 250V	
				C711	1-101-880-00	CERAMIC 47PF 5% 50V	
				C712	1-102-980-00	CERAMIC 270PF 5% 50V	

C D

REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK					
C714	1-124-360-00	ELECT	1000MF	20%	16V	R725	1-202-838-00	SOLID	100K	20%	1/2W	
C716	1-162-622-11	CERAMIC	330PF	10%	400V	R726	1-202-824-00	SOLID	3.3K	10%	1/2W	
C717	1-102-114-00	CERAMIC	470PF	10%	50V	R727	1-249-409-11	CARBON	220	5%	1/4W	
C718	1-102-114-00	CERAMIC	470PF	10%	50V	R728	1-216-347-11	METAL OXIDE	0.68	5%	1W F	
C719	1-102-114-00	CERAMIC	470PF	10%	50V							
<DIODE>												
D701	8-719-110-14	DIODE RD9.1ES-B3				R729	1-249-416-11	CARBON	820	5%	1/4W	
D702	8-719-911-19	DIODE ISS119				R730	1-249-401-11	CARBON	47	5%	1/4W	
D703	8-719-911-19	DIODE ISS119				R731	1-249-423-11	CARBON	3.3K	5%	1/4W	
D704	8-719-911-19	DIODE ISS119				R732	1-249-415-11	CARBON	680	5%	1/4W	
D705	8-719-911-19	DIODE ISS119				R733	1-249-415-11	CARBON	680	5%	1/4W	
D706	8-719-911-19	DIODE ISS119				R734	1-249-405-11	CARBON	100	5%	1/4W	
D707	8-719-911-19	DIODE ISS119				R735	1-215-493-00	METAL	1M	1%	1/4W	
D708	8-719-911-19	DIODE ISS119				R736	1-216-486-00	METAL OXIDE	8.2K	5%	3W F	
D709	8-719-911-19	DIODE ISS119				R737	1-215-491-00	METAL	820K	1%	1/4W	
D710	8-719-911-19	DIODE ISS119									(KV-C2571D)	
D711	8-719-300-33	DIODE RU-3AM										
D713	8-719-911-19	DIODE ISS119									(KV-C2971D)	
<JACK>												
J701	1-526-990-11	SOCKET, PICTURE TUBE				R739	1-249-417-11	CARBON	1K	5%	1/4W	
<COIL>												
L704	1-408-415-00	INDUCTOR	33UH			<VARIABLE RESISTOR>						
<TRANSISTOR>												
Q702	8-729-119-78	TRANSISTOR 2SC2785-HFE				RV701	1-230-641-11	RES. ADJ. METAL GLAZE	2.2M			
Q703	8-729-906-70	TRANSISTOR BF871				RV702	1-230-619-11	RES. ADJ. METAL GLAZE	110M			
Q704	8-729-200-17	TRANSISTOR 2SA1091-0				RV703	1-237-749-11	RES. ADJ. CARBON	2200			
Q705	8-729-119-78	TRANSISTOR 2SC2785-HFE				RV704	1-237-749-11	RES. ADJ. CARBON	2200			
Q706	8-729-906-70	TRANSISTOR BF871				*****						
Q707	8-729-200-17	TRANSISTOR 2SA1091-0				*A-1642-079-A	D BOARD, COMPLETE (KV-C2571D)					
Q708	8-729-119-78	TRANSISTOR 2SC2785-HFE				*****						
Q709	8-729-906-70	TRANSISTOR BF871				*A-1642-085-A	D BOARD, COMPLETE (KV-C2971D)					
Q710	8-729-200-17	TRANSISTOR 2SA1091-0				*****						
<RESISTOR>												
R704	1-216-486-00	METAL OXIDE	8.2K	5%	3W	F	4-200-001-01	HOLDER, IC				
R705	1-202-824-00	SOLID	3.3K	10%	1/2W		A-201-023-01	SPACER, INSULATING				
R706	1-249-409-11	CARBON	220	5%	1/4W		*4-341-751-01	EYELET				
R707	1-249-412-11	CARBON	390	5%	1/4W		*4-341-752-01	EYELET				
R708	1-249-401-11	CARBON	47	5%	1/4W		*4-368-683-01	SPRING				
R709	1-202-844-00	SOLID	330K	10%	1/2W		<CAPACITOR>					
R710	1-215-465-00	METAL	68K	1%	1/4W		C002	1-163-205-00	CERAMIC CHIP	0.001MF	5%	50V
R711	1-249-426-11	CARBON	5.6K	5%	1/4W		C003	1-124-925-11	ELECT	2.2MF	20%	50V
R712	1-249-417-11	CARBON	1K	5%	1/4W		C004	1-124-120-11	ELECT	220MF	20%	16V
R713	1-215-471-00	METAL	120K	1%	1/4W		C005	1-124-903-11	ELECT	1MF	20%	50V
R714	1-216-486-00	METAL OXIDE	8.2K	5%	3W	F	C008	1-163-117-00	CERAMIC CHIP	100PF	5%	50V
R715	1-202-824-00	SOLID	3.3K	10%	1/2W		C009	1-163-117-00	CERAMIC CHIP	100PF	5%	50V
R716	1-249-409-11	CARBON	220	5%	1/4W		C010	1-124-120-11	ELECT	220MF	20%	16V
R717	1-249-415-11	CARBON	680	5%	1/4W		C011	1-163-031-11	CERAMIC CHIP	0.01MF	5%	50V
R718	1-202-814-11	SOLID	33K	20%	1/2W		C013	1-137-098-11	FILM	0.1MF	10%	100V
R719	1-249-401-11	CARBON	47	5%	1/4W		C014	1-137-098-11	FILM	0.1MF	10%	100V
R720	1-249-423-11	CARBON	3.3K	5%	1/4W		C015	1-124-902-00	ELECT	0.47MF	20%	50V
R721	1-202-842-11	SOLID	220K	20%	1/2W		C016	1-163-141-00	CERAMIC CHIP	0.001MF	5%	50V
R722	1-202-848-00	SOLID	680K	10%	1/2W		C017	1-137-098-11	FILM	0.1MF	10%	100V
R723	1-249-417-11	CARBON	1K	5%	1/4W		C018	1-163-127-00	CERAMIC CHIP	270PF	5%	50V
R724	1-202-846-00	SOLID	470K	20%	1/2W		C019	1-137-094-11	FILM	0.047MF	10%	100V
							C021	1-163-117-00	CERAMIC CHIP	100PF	5%	50V
							C023	1-163-117-00	CERAMIC CHIP	100PF	5%	50V
							C024	1-163-117-00	CERAMIC CHIP	100PF	5%	50V
							C027	1-124-910-11	ELECT	47MF	20%	50V
							C030	1-163-038-00	CERAMIC CHIP	0.1MF	5%	25V
							C031	1-163-081-00	CERAMIC CHIP	0.22MF		25V
							C032	1-163-081-00	CERAMIC CHIP	0.22MF		25V
							C033	1-163-181-00	CERAMIC CHIP	100PF	5%	50V
							C034	1-124-907-11	ELECT	10MF	20%	50V
							C251	1-124-903-11	ELECT	1MF	20%	50V
							C252	1-124-927-11	ELECT	4.7MF	20%	50V

The components identified by shading and mark Δ are critical for safety.
Replace only with part number specified.

REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
C253	1-163-009-11	CERAMIC CHIP	0.001MF 10% 50V	C613	1-136-539-11	FILM 0.0022MF 3% 2KV	
C254	1-137-098-11	FILM	0.1MF 10% 100V	C614	1-102-030-00	CERAMIC 330PF 10% 500V	
C255	1-124-636-00	ELECT	3300MF 20% 25V	C615	1-128-142-11	ELECT 1500MF 20% 25V	
C261	1-124-903-11	ELECT	1MF 20% 50V	C616	1-102-030-00	CERAMIC 330PF 10% 500V	
C262	1-124-927-11	ELECT	4.7MF 20% 50V	C617	1-124-122-11	ELECT 100MF 20% 50V	
C263	1-163-009-11	CERAMIC CHIP	0.001MF 10% 50V	C618	1-162-115-00	CERAMIC 330PF 10% 2KV	
C264	1-137-098-11	FILM	0.1MF 10% 100V	C619	1-124-556-11	ELECT 2200MF 20% 16V	(KV-C2571D)
C265	1-124-564-11	ELECT	4700MF 20% 25V		1-128-320-11	ELECT 2200MF 20% 16V	(KV-C2971D)
C270	1-137-035-11	FILM	0.47MF 10% 100V	C620	1-136-173-00	FILM 0.47MF 5% 50V	
C274	1-137-035-11	FILM	0.47MF 10% 100V	C621	1-124-347-00	ELECT 100MF 20% 160V	
C501	1-124-927-11	ELECT	4.7MF 20% 50V	C622	1-128-320-11	ELECT 2200MF 20% 16V	
C502	1-124-927-11	ELECT	4.7MF 20% 50V	C623	1-124-910-11	ELECT 47MF 20% 50V	
C503	1-137-049-11	FILM	0.015MF 10% 400V	C624	1-124-122-11	ELECT 100MF 20% 50V	
C504	1-163-121-00	CERAMIC CHIP	150PF 5% 50V	C625	1-124-360-00	ELECT 1000MF 20% 16V	
C505	1-137-365-11	FILM	0.0015MF 5% 50V	C626	1-124-907-11	ELECT 10MF 20% 50V	
C506	1-137-102-11	FILM	0.022MF 10% 250V	C627	1-163-009-11	CERAMIC CHIP 0.001MF 10% 50V	
C507	1-137-033-11	FILM	0.33MF 10% 100V	C631	1-124-927-11	ELECT 4.7MF 20% 50V	
C508	1-137-102-11	FILM	0.022MF 10% 250V	C632	1-163-009-11	CERAMIC CHIP 0.001MF 10% 50V	
C509	1-137-098-11	FILM	0.1MF 10% 100V	C633	1-163-117-00	CERAMIC CHIP 100PF 5% 50V	
C510	1-161-959-00	CERAMIC	22PF 10% 500V	C801	1-126-105-11	ELECT 1000MF 20% 35V	
C511	1-137-413-91	FILM	0.0033MF 10% 100V	C802	1-102-030-00	CERAMIC 330PF 10% 500V	
C512	1-137-098-11	FILM	0.1MF 10% 100V	C804	1-123-948-00	ELECT 22MF 20% 250V	
C513	1-163-125-00	CERAMIC CHIP	220PF 5% 50V	C805	1-162-114-00	CERAMIC 0.0047MF 2KV	
C514	1-137-031-11	FILM	0.22MF 10% 100V	C806	1-137-098-11	FILM 0.1MF 10% 100V	
C515	1-124-903-11	ELECT	1MF 20% 50V	C807	1-106-395-00	MYLAR 0.15MF 10% 200V	
C516	1-108-680-11	MYLAR	0.001MF 10% 100V	C810	1-123-024-21	ELECT 33MF 160V	
C517	1-124-252-00	ELECT	0.33MF 20% 50V	C811	1-136-113-00	FILM 2MF 5% 200V	
C518	1-124-902-00	ELECT	0.47MF 20% 50V	C812	1-124-634-11	ELECT 1MF 20% 250V	
C519	1-136-173-00	FILM	0.47MF 5% 50V	C813	1-102-212-00	CERAMIC 820PF 10% 500V	
	1-136-171-00	FILM	0.33MF 5% 50V	C814	1-161-731-51	CERAMIC 0.001MF 10% 2KV	
C520	1-164-161-11	CERAMIC CHIP	0.0022MF 10% 50V	C815	1-136-111-00	FILM 1MF 5% 200V	
C521	1-137-098-11	FILM	0.1MF 10% 100V		1-136-540-11	FILM 0.82MF 5% 200V	(KV-C2571D)
C522	1-124-122-11	ELECT	100MF 20% 50V				(KV-C2971D)
C523	1-108-680-11	MYLAR	0.001MF 10% 100V	C817	1-136-565-11	FILM 0.015MF 3% 1KV	(KV-C2571D)
C524	1-137-367-91	FILM	0.0033MF 5% 50V		1-136-591-11	FILM 0.017MF 3% 1KV	(KV-C2971D)
C525	1-163-117-00	CERAMIC CHIP	100PF 5% 50V	C818	1-129-721-51	FILM 0.039MF 10% 630V	
C526	1-163-103-00	CERAMIC CHIP	27PF 5% 50V	C819	1-161-731-51	CERAMIC 0.001MF 10% 2KV	
				C820	1-137-046-11	FILM 0.0082MF 10% 400V	
	1-163-101-00	CERAMIC CHIP	22PF 5% 50V	C821	1-162-116-51	CERAMIC 680PF 10% 2KV	(KV-C2571D)
C527	1-137-098-11	FILM	0.1MF 10% 100V		1-162-134-51	CERAMIC 470PF 10% 2KV	(KV-C2971D)
C531	1-124-190-00	ELECT	680MF 10% 25V	C822	1-163-005-11	CERAMIC CHIP 470PF 10% 50V	
C532	1-124-122-11	ELECT	100MF 20% 50V	C823	1-137-043-11	FILM 0.0047MF 10% 400V	
C533	1-137-096-11	FILM	0.068MF 10% 100V	C824	1-102-212-00	CERAMIC 820PF 10% 500V	
C534	1-124-120-11	ELECT	220MF 20% 16V	C825	1-137-102-11	FILM 0.022MF 10% 250V	
C536	1-131-365-00	TANTALUM	10MF 10% 16V	C1601	1-136-518-11	FILM 0.33MF 20% 300V	
C537	1-124-903-11	ELECT	1MF 20% 50V	C1602	1-136-519-11	FILM 0.47MF 20% 300V	
C538	1-108-680-11	MYLAR	0.001MF 10% 100V	C1603	1-164-246-61	CERAMIC 0.0022MF 20% 400V	(KV-C2571D)
C539	1-163-129-00	CERAMIC CHIP	330PF 5% 50V		1-164-246-51	CERAMIC 0.0022MF 20% 400V	(KV-C2971D)
C540	1-163-009-11	CERAMIC CHIP	0.001MF 10% 50V	C1605	1-164-246-61	CERAMIC 0.0022MF 20% 400V	(KV-C2571D)
C592	1-124-122-11	ELECT	100MF 20% 50V		1-164-246-51	CERAMIC 0.0022MF 20% 400V	(KV-C2971D)
C593	1-163-129-00	CERAMIC CHIP	330PF 5% 50V	C1607	1-161-964-61	CERAMIC 0.0047MF 250V	
C601	1-161-964-61	CERAMIC	0.0047MF 250V				
C602	1-161-964-61	CERAMIC	0.0047MF 250V				
C603	1-161-964-61	CERAMIC	0.0047MF 250V				
C604	1-125-318-11	ELECT (BLOCK)	220MF 20% 400V				
C605	1-124-484-11	ELECT	220MF 20% 35V				
C606	1-163-137-00	CERAMIC CHIP	680PF 5% 50V				
C607	1-137-028-11	FILM	1MF 10% 63V				
C608	1-124-927-11	ELECT	4.7MF 20% 50V				
C611	1-124-910-11	ELECT	47MF 20% 50V				
C612	1-108-680-11	MYLAR	0.001MF 10% 100V				
<FILTER>							
CF001	1-577-364-11	VIBRATOR, CERAMIC		CF501	1-567-888-11	OSCILLATOR, CERAMIC	

The components identified by
shading and mark Δ are critical
for safety.
Replace only with part number
specified.

D

REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
<CONNECTOR>				D613	8-719-302-43	DIODE EL1Z	
D1	*1-568-881-51	PIN, CONNECTOR 6P		D614	8-719-302-43	DIODE EL1Z	
D2	*1-568-882-51	PIN, CONNECTOR 7P		D616	8-719-921-54	DIODE MTZJ-6.2B	
D11	*1-565-394-11	PIN, BOARD TO BOARD CONNECTOR		D617	8-719-911-19	DIODE ISS119	
D12	*1-565-394-11	PIN, BOARD TO BOARD CONNECTOR		D618	8-719-109-89	DIODE RD5.6ES-B2	
D18	*1-560-290-00	PLUG, CONNECTOR (2.5MM PITCH) (KV-C2971D)		D619	8-719-982-24	DIODE MTZJ-33A	
D21	*1-565-394-11	PIN, BOARD TO BOARD CONNECTOR		D620	8-719-800-76	DIODE ISS226	
D22	*1-565-394-11	PIN, BOARD TO BOARD CONNECTOR		D621	8-719-982-24	DIODE MTZJ-33A	
D25	*1-568-880-51	PIN, CONNECTOR 5P		D622	8-719-911-19	DIODE ISS119	
D27	*1-568-878-51	PIN, CONNECTOR 3P		D623	8-719-911-19	DIODE ISS119	
D31	*1-565-394-11	PIN, BOARD TO BOARD CONNECTOR		D624	8-719-911-19	DIODE ISS119	
D32	*1-565-394-11	PIN, BOARD TO BOARD CONNECTOR		D630	8-719-921-91	DIODE MTZJ-15A	
D33	*1-565-394-11	PIN, BOARD TO BOARD CONNECTOR		D801	8-719-300-33	DIODE RU-3AM	
D41	*1-566-367-11	CONNECTOR, HINGE (RECEPTACLE)		D802	8-719-300-33	DIODE RU-3AM	
D44	*1-568-881-51	PIN, CONNECTOR 6P		D803	8-719-976-64	DIODE RGP02-17	
D45	*1-568-881-51	PIN, CONNECTOR 6P		D804	8-719-911-55	DIODE U05G	
D51	*1-566-367-11	CONNECTOR, HINGE (RECEPTACLE)		D805	8-719-911-55	DIODE U05G	
D62	*1-565-395-11	PIN, CONNECTOR 3P		D806	8-719-945-80	DIODE ERC06-15S	
D65	*1-508-765-00	PIN, CONNECTOR (5MM PITCH) 3P		D807	8-719-945-80	DIODE ERC06-15S	
D66	*1-508-786-00	PIN, CONNECTOR (5MM PITCH) 2P		D808	8-719-900-26	DIODE ERD29-08J	
D82	*1-508-765-00	PIN, CONNECTOR (5MM PITCH) 3P		<IC>			
D83	*1-508-786-00	PIN, CONNECTOR (5MM PITCH) 2P		IC001	8-759-047-60	IC SDA20560-A012	
D84	*1-580-798-11	CONNECTOR PIN (DY) 6P		IC002	8-759-000-47	IC MC14051BCP	
D88	*1-568-878-51	PIN, CONNECTOR 3P (KV-C2971D)		IC003	8-759-945-58	IC RC4558P	
D801	*1-508-765-00	PIN, CONNECTOR (5MM PITCH) 3P		IC005	8-759-748-56	IC SDA2546	
<DIODE>				IC251	8-759-988-94	IC TDA2050	
D001	8-719-109-97	DIODE RD6.8ES-B2		IC261	4-812-134-00	RIVET NYLON, 3.5; IC251	
D003	8-719-911-19	DIODE ISS119		IC501	8-759-988-94	IC TDA2050	
D005	8-719-109-89	DIODE RD5.6ES-B2		IC502	4-812-134-00	RIVET NYLON, 3.5; IC261	
D006	8-719-982-24	DIODE MTZJ-33A		IC501	8-759-970-73	IC TEA2028B	
D007	8-719-982-08	DIODE MTZJ-3.9B		IC502	8-759-944-57	IC TDA8170	
D009	8-719-109-89	DIODE RD5.6ES-B2		IC601	8-759-988-95	IC TEA2260	
D010	8-719-921-54	DIODE MTZJ-6.2B		IC604	8-759-510-52	IC TEA7605	
D011	8-719-921-54	DIODE MTZJ-6.2B		IC608	8-759-929-62	IC LM7812CT	
D012	8-719-911-19	DIODE ISS119		<COIL>			
D013	8-719-109-97	DIODE RD6.8ES-B2		L501	1-408-225-00	INDUCTOR 3.3UH	
D015	8-719-109-97	DIODE RD6.8ES-B2		L601	1-420-872-00	COIL, AIR CORE	
D271	8-719-110-31	DIODE RD12ES-B2 (KV-C2571D)		L602	1-410-396-41	FERRITE BEAD INDUCTOR	
D272	8-719-921-88	DIODE MTZJ-13B (KV-C2971D)		L603	1-410-396-41	FERRITE BEAD INDUCTOR	
D501	8-719-911-19	DIODE ISS119		L604	1-410-671-31	INDUCTOR 47UH	
D504	8-719-911-55	DIODE U05G		L605	1-459-585-11	COIL (WITH CORE) (DRUM TYPE)	
D506	8-719-800-76	DIODE ISS226 (KV-C2571D)		L606	1-412-529-11	INDUCTOR 22UH	
D508	8-719-911-19	DIODE ISS119		L607	1-410-671-31	INDUCTOR 47UH	
D509	8-719-911-19	DIODE ISS119		L801	1-459-087-00	COIL, HCC DUST CORE 3.9MMH (KV-C2971D)	
D511	8-719-911-55	DIODE U05G		L803	1-459-104-00	COIL, WITH CORE	
D512	8-719-911-55	DIODE U05G		L804	1-408-239-00	INDUCTOR 4.7MMH	
D513	8-719-010-34	DIODE UZ-4.7BSC		L805	1-459-755-11	COIL, HORIZONTAL LINEARITY (KV-C2571D)	
D514	8-719-911-19	DIODE ISS119 (KV-C2971D)		L806	1-459-907-11	COIL, HORIZONTAL LINEARITY (KV-C2971D)	
D515	8-719-911-19	DIODE ISS119 (KV-C2971D)		L806	1-459-111-00	COIL, DRAM CORE (CDI) (KV-C2571D)	
D601	Δ 8-719-510-63	DIODE D4S860L-F		L806	1-459-087-00	COIL, HCC DUST CORE 3.9MMH (KV-C2971D)	
D602	8-719-300-33	DIODE RU-3AM		L809	1-420-872-00	COIL, AIR CORE	
D603	8-719-911-55	DIODE U05G		L810	1-421-982-11	PMC (KV-C2571D)	
D604	8-719-911-55	DIODE U05G		L810	1-421-794-21	TRANSFORMER, FERRITE (PMT) (KV-C2971D)	
D605	8-719-911-55	DIODE U05G		<TRANSFORMER>			
D606	8-719-300-33	DIODE RU-3AM		LF1601	Δ 1-421-866-12	LFT	
D607	8-719-300-33	DIODE RU-3AM		LF1602	Δ 1-421-776-21	LFT	
D608	8-719-300-33	DIODE RU-3AM		LF1603	Δ 1-421-862-11	LFT	
D609	8-719-982-24	DIODE MTZJ-33A		T601	Δ 1-450-038-11	S.R.T (KV-C2571D)	
D610	8-719-300-59	DIODE CTU-12S					
D611	8-719-900-26	DIODE ERD29-08J					
D612	8-719-300-59	DIODE CTU-12S					

The components identified by
shading and mark Δ are critical
for safety.
Replace only with part number
specified.

D

REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
T601	Δ 1-450-037-11	S.R.T (KV-C2971D)		R013	1-216-073-00	METAL GLAZE 10K 5%	1/10W
T602	Δ 1-424-277-11	TRANSFORMER, TRIGGER PULSE		R014	1-216-085-00	METAL GLAZE 33K 5%	1/10W
T801	Δ 1-437-090-21	HDT		R015	1-216-061-00	METAL GLAZE 3.3K 5%	1/10W
T802	Δ 1-439-416-41	TRANSFORMER ASSY, FLYBACK (NX-1604) (KV-C2571D)		R016	1-216-085-00	METAL GLAZE 33K 5%	1/10W
	Δ 1-439-416-51	TRANSFORMER ASSY, FLYBACK (UX-1650) (KV-C2971D)		R017	1-216-689-11	METAL GLAZE 39K 5%	1/10W
<IC LINK>				R018	1-216-095-00	METAL GLAZE 82K 5%	1/10W
PS601	Δ 1-532-984-91	LINK, IC 2A		R019	1-216-025-00	METAL GLAZE 100 5%	1/10W
PS602	Δ 1-532-984-91	LINK, IC 2A		R020	1-216-025-00	METAL GLAZE 100 5%	1/10W
PS603	Δ 1-532-679-91	LINK, IC 0.6A		R021	1-216-065-00	METAL GLAZE 4.7K 5%	1/10W
PS604	Δ 1-532-984-91	LINK, IC 2A		R022	1-216-065-00	METAL GLAZE 4.7K 5%	1/10W
<TRANSISTOR>				R024	1-216-073-00	METAL GLAZE 10K 5%	1/10W
Q001	8-729-901-01	TRANSISTOR DTC144EK		R025	1-216-073-00	METAL GLAZE 10K 5%	1/10W
Q002	8-729-901-01	TRANSISTOR DTC144EK		R026	1-216-182-00	METAL GLAZE 220 5%	1/8W
Q003	8-729-216-22	TRANSISTOR 2SA1162-G		R027	1-216-025-00	METAL GLAZE 100 5%	1/10W
Q004	8-729-216-22	TRANSISTOR 2SA1162-G		R028	1-216-025-00	METAL GLAZE 100 5%	1/10W
Q005	8-729-901-01	TRANSISTOR DTC144EK		R029	1-216-073-00	METAL GLAZE 10K 5%	1/10W
Q006	8-729-901-01	TRANSISTOR DTC144EK		R030	1-216-073-00	METAL GLAZE 10K 5%	1/10W
Q007	8-729-120-28	TRANSISTOR 2SC1623-L5L6		R031	1-216-081-00	METAL GLAZE 22K 5%	1/10W
Q008	8-729-120-28	TRANSISTOR 2SC1623-L5L6		R032	1-216-073-00	METAL GLAZE 10K 5%	1/10W
Q009	8-729-120-28	TRANSISTOR 2SC1623-L5L6		R033	1-216-073-00	METAL GLAZE 10K 5%	1/10W
Q010	8-729-120-28	TRANSISTOR 2SC1623-L5L6		R034	1-216-077-00	METAL GLAZE 15K 5%	1/10W
Q251	8-729-120-28	TRANSISTOR 2SC1623-L5L6		R035	1-216-081-00	METAL GLAZE 22K 5%	1/10W
Q261	8-729-120-28	TRANSISTOR 2SC1623-L5L6		R036	1-216-083-00	METAL GLAZE 27K 5%	1/10W
Q271	8-729-120-28	TRANSISTOR 2SC1623-L5L6		R037	1-216-069-00	METAL GLAZE 6.8K 5%	1/10W
Q502	8-729-216-22	TRANSISTOR 2SA1162-G		R038	1-216-069-00	METAL GLAZE 6.8K 5%	1/10W
Q505	8-729-140-96	TRANSISTOR 2SD774-34		R039	1-216-081-00	METAL GLAZE 22K 5%	1/10W
Q506	8-729-140-97	TRANSISTOR 2SB734-34		R040	1-216-077-00	METAL GLAZE 15K 5%	1/10W
Q507	8-729-216-22	TRANSISTOR 2SA1162-G		R041	1-216-073-00	METAL GLAZE 10K 5%	1/10W
Q598	8-729-216-22	TRANSISTOR 2SA1162-G		R042	1-216-049-00	METAL GLAZE 1K 5%	1/10W
Q601	8-729-122-03	TRANSISTOR 2SA1220A-P		R043	1-216-041-00	METAL GLAZE 470 5%	1/10W
Q602	8-729-209-02	TRANSISTOR 2SD1548-LB		R044	1-216-097-00	METAL GLAZE 100K 5%	1/10W
Q603	8-729-122-03	TRANSISTOR 2SA1220A-P		R045	1-216-061-00	METAL GLAZE 3.3K 5%	1/10W
Q604	8-729-216-22	TRANSISTOR 2SA1162-G		R046	1-216-095-00	METAL GLAZE 82K 5%	1/10W
Q605	8-729-120-28	TRANSISTOR 2SC1623-L5L6		R047	1-216-073-00	METAL GLAZE 10K 5%	1/10W
Q606	8-729-120-28	TRANSISTOR 2SC1623-L5L6		R048	1-216-073-00	METAL GLAZE 10K 5%	1/10W
Q607	8-729-920-92	TRANSISTOR 2SD2096-EF		R049	1-216-073-00	METAL GLAZE 10K 5%	1/10W
Q608	8-729-120-28	TRANSISTOR 2SC1623-L5L6		R050	1-216-067-00	METAL GLAZE 5.6K 5%	1/10W
Q609	8-729-320-62	TRANSISTOR 2SD789-34		R051	1-216-041-00	METAL GLAZE 470 5%	1/10W
Q801	8-729-120-28	TRANSISTOR 2SC1623-L5L6		R052	1-216-049-00	METAL GLAZE 1K 5%	1/10W
Q804	8-729-304-50	TRANSISTOR 2SD1941-06		R053	1-216-049-00	METAL GLAZE 1K 5%	1/10W
Q805	8-729-119-80	TRANSISTOR 2SC2688-LK		R054	1-216-049-00	METAL GLAZE 1K 5%	1/10W
<RESISTOR>				R055	1-216-037-00	METAL GLAZE 330 5%	1/10W
JR1	1-216-296-00	METAL GLAZE 0 5%	1/8W	R056	1-216-073-00	METAL GLAZE 10K 5%	1/10W
JR3	1-216-296-00	METAL GLAZE 0 5%	1/8W	R057	1-216-025-00	METAL GLAZE 100 5%	1/10W
JR4	1-216-295-00	METAL GLAZE 0 5%	1/10W	R058	1-216-049-00	METAL GLAZE 1K 5%	1/10W
JR7	1-216-296-00	METAL GLAZE 0 5%	1/8W	R059	1-216-049-00	METAL GLAZE 1K 5%	1/10W
R001	1-216-041-00	METAL GLAZE 470 5%	1/10W	R060	1-216-049-00	METAL GLAZE 1K 5%	1/10W
R002	1-216-041-00	METAL GLAZE 470 5%	1/10W	R061	1-216-065-00	METAL GLAZE 4.7K 5%	1/10W
R003	1-216-198-00	METAL GLAZE 1K 5%	1/8W	R062	1-216-049-00	METAL GLAZE 1K 5%	1/10W
R004	1-216-049-00	METAL GLAZE 1K 5%	1/10W	R063	1-216-049-00	METAL GLAZE 1K 5%	1/10W
R005	1-216-081-00	METAL GLAZE 22K 5%	1/10W	R064	1-216-049-00	METAL GLAZE 1K 5%	1/10W
R006	1-216-073-00	METAL GLAZE 10K 5%	1/10W	R065	1-216-049-00	METAL GLAZE 1K 5%	1/10W
R007	1-216-065-00	METAL GLAZE 4.7K 5%	1/10W	R066	1-216-073-00	METAL GLAZE 10K 5%	1/10W
R008	1-216-073-00	METAL GLAZE 10K 5%	1/10W	R068	1-216-174-00	METAL GLAZE 100 5%	1/8W
R009	1-216-073-00	METAL GLAZE 10K 5%	1/10W	R069	1-216-174-00	METAL GLAZE 100 5%	1/8W
R010	1-216-041-00	METAL GLAZE 470 5%	1/10W	R070	1-216-198-00	METAL GLAZE 1K 5%	1/8W
R012	1-216-073-00	METAL GLAZE 10K 5%	1/10W	R071	1-216-198-00	METAL GLAZE 1K 5%	1/8W
				R072	1-216-222-00	METAL GLAZE 10K 5%	1/8W
				R073	1-216-073-00	METAL GLAZE 10K 5%	1/10W
				R075	1-216-041-00	METAL GLAZE 470 5%	1/10W
				R076	1-216-073-00	METAL GLAZE 10K 5%	1/10W
				R077	1-216-049-00	METAL GLAZE 1K 5%	1/10W

(KV-C2971D)

REF. NO.	PART NO.	DESCRIPTION				
R078	1-216-198-00	METAL GLAZE	1K	5%	1/8W	
R079	1-216-073-00	METAL GLAZE	10K	5%	1/10W	
R080	1-216-073-00	METAL GLAZE	10K	5%	1/10W	
R081	1-216-073-00	METAL GLAZE	10K	5%	1/10W	
R083	1-216-049-00	METAL GLAZE	1K	5%	1/10W	
R084	1-216-049-00	METAL GLAZE	1K	5%	1/10W	
R085	1-216-049-00	METAL GLAZE	1K	5%	1/10W	
R086	1-216-049-00	METAL GLAZE	1K	5%	1/10W	
R087	1-216-035-00	METAL GLAZE	270	5%	1/10W	
R088	1-216-059-00	METAL GLAZE	2.7K	5%	1/10W	
R093	1-216-073-00	METAL GLAZE	10K	5%	1/10W	
R094	1-216-073-00	METAL GLAZE	10K	5%	1/10W	
R095	1-216-073-00	METAL GLAZE	10K	5%	1/10W	
R096	1-216-073-00	METAL GLAZE	10K	5%	1/10W	
R098	1-216-049-00	METAL GLAZE	1K	5%	1/10W	
R251	1-216-065-00	METAL GLAZE	4.7K	5%	1/10W	
R252	1-216-039-00	METAL GLAZE	390	5%	1/10W	
R253	1-216-073-00	METAL GLAZE	10K	5%	1/10W	
R254	1-216-357-00	METAL OXIDE	4.7	5%	1W	
R255	1-216-073-00	METAL GLAZE	10K	5%	1/10W	
R256	1-216-115-00	METAL GLAZE	560K	5%	1/10W	
R257	1-216-077-00	METAL GLAZE	15K	5%	1/10W	
R258	1-215-869-11	METAL OXIDE	1K	5%	1W	
R259	1-216-065-00	METAL GLAZE	4.7K	5%	1/10W	
R261	1-216-065-00	METAL GLAZE	4.7K	5%	1/10W	
R262	1-216-039-00	METAL GLAZE	390	5%	1/10W	
R263	1-216-073-00	METAL GLAZE	10K	5%	1/10W	
R264	1-216-357-00	METAL OXIDE	4.7	5%	1W	
R265	1-216-073-00	METAL GLAZE	10K	5%	1/10W	
R266	1-216-115-00	METAL GLAZE	560K	5%	1/10W	
R267	1-216-077-00	METAL GLAZE	15K	5%	1/10W	
R268	1-215-869-11	METAL OXIDE	1K	5%	1W	
R269	1-216-065-00	METAL GLAZE	4.7K	5%	1/10W	
R270	1-216-073-00	METAL GLAZE	10K	5%	1/10W	
R271	1-216-045-00	METAL GLAZE	680	5%	1/10W	
R272	1-216-073-00	METAL GLAZE	10K	5%	1/10W	
R273	1-216-073-00	METAL GLAZE	10K	5%	1/10W	
R274	1-216-073-00	METAL GLAZE	10K	5%	1/10W	
R500	1-216-115-00	METAL GLAZE	560K	5%	1/10W	
R501	1-216-041-00	METAL GLAZE	470	5%	1/10W	
R502	1-216-033-00	METAL GLAZE	220	5%	1/10W	
R503	1-216-035-00	METAL GLAZE	270	5%	1/10W	
R504	1-249-420-11	CARBON	1.8K	5%	1/4W	
R505	1-216-077-00	METAL GLAZE	15K	5%	1/10W	
R506	1-216-071-00	METAL GLAZE	8.2K	5%	1/10W	
R509	1-216-063-00	METAL GLAZE	3.9K	5%	1/10W	
R510	1-216-067-00	METAL GLAZE	5.6K	5%	1/10W	
R514	1-216-033-00	METAL GLAZE	220	5%	1/10W	
R515	1-216-061-00	METAL GLAZE	3.3K	5%	1/10W	
R517	1-216-073-00	METAL GLAZE	10K	5%	1/10W	
R518	1-216-089-00	METAL GLAZE	47K	5%	1/10W	
R519	1-216-081-00	METAL GLAZE	22K	5%	1/10W	
R520	1-216-037-00	METAL GLAZE	330	5%	1/10W	
R521	1-216-025-00	METAL GLAZE	100	5%	1/10W	
R522	1-215-469-00	METAL	100K	1%	1/4W	
R523	1-216-049-00	METAL GLAZE	1K	5%	1/10W	
R524	1-216-057-00	METAL GLAZE	2.2K	5%	1/10W	
R525	1-216-049-00	METAL GLAZE	1K	5%	1/10W	(K
R526	1-249-409-11	CARBON	220	5%	1/4W	
R527	1-216-077-00	METAL GLAZE	15K	5%	1/10W	
R528	1-216-031-00	METAL GLAZE	180	5%	1/10W	
R529	1-216-069-00	METAL GLAZE	6.8K	5%	1/10W	

REMARK	REF. NO.	PART NO.	DESCRIPTION	REMARK		
	R530	1-249-448-11	CARBON	1.2	5%	1/4W F
	R531	1-216-099-00	METAL GLAZE	120K	5%	1/10W
	R532	1-216-049-00	METAL GLAZE	1K	5%	1/10W
	R533	1-216-295-00	METAL GLAZE	0	5%	1/10W
	R534	1-216-119-00	METAL GLAZE	820K	5%	1/10W
	R535	1-249-749-00	CARBON	2.2M	5%	1/4W
	R536	1-216-129-00	METAL GLAZE	2.2M	5%	1/10W
	R537	1-216-083-00	METAL GLAZE	27K	5%	1/10W
	R538	1-216-101-00	METAL GLAZE	150K	5%	1/10W
	R539	1-216-101-00	METAL GLAZE	150K	5%	1/10W
	R540	1-216-013-00	METAL GLAZE	33	5%	1/10W
	R541	1-216-091-00	METAL GLAZE	56K	5%	1/10W
	R542	1-216-308-00	METAL GLAZE	4.7	5%	1/10W
	R543	1-249-451-11	CARBON	2.2	5%	1/4W
	R544	1-247-745-11	CARBON	330	5%	1/2W
	R545	1-216-081-00	METAL GLAZE	22K	5%	1/10W
	R546	1-216-083-00	METAL GLAZE	27K	5%	1/10W
	R547	1-216-061-00	METAL GLAZE	3.3K	5%	1/10W
	R548	1-216-349-00	METAL OXIDE	1	5%	1W
	R549	1-216-454-11	METAL OXIDE	390	5%	2W
	R550	1-216-095-00	METAL GLAZE	82K	5%	1/10W
	R551	1-216-129-00	METAL GLAZE	2.2M	5%	1/10W
	R553	1-215-869-11	METAL OXIDE	1K	5%	1W
	R554	1-216-037-00	METAL GLAZE	330	5%	1/10W
	R555	1-216-129-00	METAL GLAZE	2.2M	5%	1/10W
	R556	1-216-025-00	METAL GLAZE	100	5%	1/10W
	R557	1-216-065-00	METAL GLAZE	4.7K	5%	1/10W
	R558	1-216-113-00	METAL GLAZE	470K	5%	1/10W
	R559	1-216-069-00	METAL GLAZE	6.8K	5%	1/10W
	R560	1-216-037-00	METAL GLAZE	330	5%	1/10W
	R561	1-216-107-00	METAL GLAZE	270K	5%	1/10W
	R570	1-216-045-00	METAL GLAZE	680	5%	1/10W (KV-C2971D)
	R591	1-216-047-00	METAL GLAZE	820	5%	1/10W (KV-C2971D)
	R592	1-216-049-00	METAL GLAZE	1K	5%	1/10W
	R593	1-216-053-00	METAL GLAZE	1.5K	5%	1/10W
	R594	1-216-071-00	METAL GLAZE	8.2K	5%	1/10W
	R597	1-216-041-00	METAL GLAZE	470	5%	1/10W
	R598	1-215-901-00	METAL OXIDE	33K	5%	2W
	R600	1-249-381-11	CARBON	1	5%	1/4W
	R601	1-216-353-00	METAL OXIDE	2.2	5%	1W
	R603	1-216-469-11	METAL OXIDE	12	5%	3W
	R604	1-216-025-00	METAL GLAZE	100	5%	1/10W
	R605	1-216-081-00	METAL GLAZE	22K	5%	1/10W
	R606	1-216-051-00	METAL GLAZE	1.2K	5%	1/10W
	R607	1-216-065-00	METAL GLAZE	4.7K	5%	1/10W (KV-C2571D)
		1-216-067-00	METAL GLAZE	5.6K	5%	1/10W (KV-C2971D)
	R608	1-216-488-11	METAL OXIDE	18K	5%	3W
	R609	1-216-007-00	METAL GLAZE	18	5%	1/10W
	R610	1-244 941-00	CARBON	680K	5%	1/2W
	R611	1-216-015-00	METAL GLAZE	39	5%	1/10W
	R612	1-216-049-00	METAL GLAZE	1K	5%	1/10W
	R613	1-216-097-00	METAL GLAZE	100K	5%	1/10W
	R614	1-205-758-11	WIREWOUND	100	10%	10W

The components identified by shading and mark **A** are critical for safety.
Replace only with part number specified.

REF.NO.	PART NO.	DESCRIPTION			REMARK
R622	1-216-073-00	METAL GLAZE	10K	5%	1/10W
R623	1-216-081-00	METAL GLAZE	22K	5%	1/10W
R624	1-216-067-00	METAL GLAZE	5.6K	5%	1/10W
R625	1-215-865-11	METAL OXIDE	220	5%	1W F
R626	1-216-037-00	METAL GLAZE	330	5%	1/10W
R628	1-216-001-00	METAL GLAZE	10	5%	1/10W
R629	1-216-037-00	METAL GLAZE	330	5%	1/10W
R631	1-216-465-11	METAL OXIDE	27K	5%	2W F (KV-C2571D)
R633	1-216-049-00	METAL GLAZE	1K	5%	1/10W
R634	1-216-430-11	METAL OXIDE	390	5%	1W F
R635	1-216-073-00	METAL GLAZE	10K	5%	1/10W
R636	1-216-073-00	METAL GLAZE	10K	5%	1/10W
R643	1-217-189-21	WIREWOUND	0.12	5%	2W F
R651	1-216-025-00	METAL GLAZE	100	5%	1/10W
R653	1-205-758-11	WIREWOUND	100	10%	10W F
R802	1-249-443-11	CARBON	0.47	5%	1/4W F
R805	1-249-448-11	CARBON	1.2	5%	1/4W F
R806	1-216-093-00	METAL GLAZE	68K	5%	1/10W
R807	1-217-778-11	FUSIBLE	1K	5%	1W F
R809	1-202-821-11	SOLID	1.8K	10%	1/2W
R810	1-202-818-00	SOLID	1K	10%	1/2W
R811	1-215-882-00	METAL OXIDE	22	5%	2W F
R812	1-249-494-11	CARBON	68K	5%	1/2W (KV-C2571D)
	1-247-281-00	CARBON	51K	5%	1/2W (KV-C2971D)
R815	1-215-884-11	METAL OXIDE	47	5%	2W F
R816	1-215-868-00	METAL OXIDE	680	5%	1W F
R817	1-216-049-00	METAL GLAZE	1K	5%	1/10W
R820	1-249-403-11	CARBON	68	5%	1/4W
R821	1-247-725-11	CARBON	10K	5%	1/4W F
R822	1-217-778-11	FUSIBLE	1K	5%	1W F
R825	1-216-345-11	METAL OXIDE	0.47	5%	1W F
R826	1-216-097-00	METAL GLAZE	100K	5%	1/10W
R827	1-216-073-00	METAL GLAZE	10K	5%	1/10W
R828	1-216-059-00	METAL GLAZE	2.7K	5%	1/10W
R829	1-216-051-00	METAL GLAZE	1.2K	5%	1/10W
R831	1-249-451-11	CARBON	2.2	5%	1/4W
R1601A	1-246-513-75	CARBON	47K	5%	1/4W
R1602A	1-244-945-91	CARBON	1M	5%	1/2W
R1603A	1-217-328-11	WIREWOUND	2.7	10%	7W F
R1604A	1-246-513-75	CARBON	47K	5%	1/4W
R1605A	1-218-265-91	METAL GLAZE	8.2M	5%	1W
R5501	1-216-073-00	METAL GLAZE	10K	5%	1/10W
R5503	1-216-308-00	METAL GLAZE	4.7	5%	1/10W (KV-C2571D)
	1-216-001-00	METAL GLAZE	10	5%	1/10W (KV-C2971D)
R5504	1-216-121-00	METAL GLAZE	1M	5%	1/10W
R5505	1-216-001-00	METAL GLAZE	10	5%	1/10W
R5506	1-216-075-00	METAL GLAZE	12K	5%	1/10W (KV-C2971D)
<VARIABLE RESISTOR>					
RV501	1-238-013-11	RES, ADJ, CARBON 2.2K			
RV502	1-238-016-11	RES, ADJ, CARBON 10K			
RV601	1-238-011-11	RES, ADJ, CARBON 470			
<SPARK GAP>					
SG801	1-519-422-11	GAP, SPARK			

The components identified by
shading and mark Δ are criti-
cal for safety.
Replace only with part number
specified.

V

REF. NO.	PART NO.	DESCRIPTION	REMARK	REF. NO.	PART NO.	DESCRIPTION	REMARK
<CAPACITOR>				<TRANSISTOR>			
C1	1-126-101-11	ELECT 100MF	20%	Q1	8-729-900-53	TRANSISTOR DTC114EK	
C2	1-163-038-00	CERAMIC CHIP 0.1MF		Q2	8-729-920-92	TRANSISTOR 2SD2096-EF	
C3	1-124-120-11	ELECT 220MF	20%	Q3	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
C4	1-163-077-00	CERAMIC CHIP 0.1MF		Q4	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
C5	1-124-120-11	ELECT 220MF	20%	Q5	8-729-807-87	TRANSISTOR 2SB1295-UL6	
C6	1-163-038-00	CERAMIC CHIP 0.1MF		Q6	8-729-807-87	TRANSISTOR 2SB1295-UL6	
C7	1-163-235-11	CERAMIC CHIP 22PF	5%	Q7	8-729-807-87	TRANSISTOR 2SB1295-UL6	
C8	1-163-235-11	CERAMIC CHIP 22PF	5%	Q8	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
C9	1-163-235-11	CERAMIC CHIP 22PF	5%	<RESISTOR>			
C10	1-163-038-00	CERAMIC CHIP 0.1MF		JR01	1-216-295-00	METAL GLAZE 0	5%
C11	1-163-038-00	CERAMIC CHIP 0.1MF		JR02	1-216-295-00	METAL GLAZE 0	5%
C12	1-163-038-00	CERAMIC CHIP 0.1MF		JR03	1-216-295-00	METAL GLAZE 0	5%
C13	1-163-038-00	CERAMIC CHIP 0.1MF		JR08	1-216-295-00	METAL GLAZE 0	5%
C14	1-124-927-11	ELECT 4.7MF	20%	JR09	1-216-295-00	METAL GLAZE 0	5%
C15	1-126-233-11	ELECT 22MF	20%	JR11	1-216-295-00	METAL GLAZE 0	5%
C16	1-163-141-00	CERAMIC CHIP 0.001MF	5%	JR14	1-216-296-00	METAL GLAZE 0	5%
C17	1-163-141-00	CERAMIC CHIP 0.001MF	5%	JR17	1-216-295-00	METAL GLAZE 0	5%
C18	1-163-141-00	CERAMIC CHIP 0.001MF	5%	JR18	1-216-296-00	METAL GLAZE 0	5%
C26	1-163-038-00	CERAMIC CHIP 0.1MF		JR19	1-216-296-00	METAL GLAZE 0	5%
C27	1-163-117-00	CERAMIC CHIP 100PF	5%	JR20	1-216-296-00	METAL GLAZE 0	5%
C28	1-163-117-00	CERAMIC CHIP 100PF	5%	JR21	1-216-296-00	METAL GLAZE 0	5%
C29	1-163-117-00	CERAMIC CHIP 100PF	5%	JR23	1-216-295-00	METAL GLAZE 0	5%
C32	1-163-038-00	CERAMIC CHIP 0.1MF		JR24	1-216-296-00	METAL GLAZE 0	5%
C33	1-163-038-00	CERAMIC CHIP 0.1MF		JR25	1-216-296-00	METAL GLAZE 0	5%
<CONNECTOR>				JR26	1-216-296-00	METAL GLAZE 0	5%
CNV1	*1-565-393-11	CONNECTOR, BOARD TO BOARD		JR201	1-216-295-00	METAL GLAZE 0	5%
CNV2	*1-565-393-11	CONNECTOR, BOARD TO BOARD		JR204	1-216-295-00	METAL GLAZE 0	5%
<DIODE>				JR207	1-216-295-00	METAL GLAZE 0	5%
D1	8-719-105-91	DIODE RD5.6M-B2		JR208	1-216-295-00	METAL GLAZE 0	5%
D3	8-719-104-34	DIODE IS2836 (KV-C2571D)		JR211	1-216-295-00	METAL GLAZE 0	5%
D4	8-719-914-44	DIODE DAP202K (KV-C2971D)		JR213	1-216-295-00	METAL GLAZE 0	5%
D5	8-719-400-18	DIODE MA152WK		JR219	1-216-296-00	METAL GLAZE 0	5%
D6	8-719-914-44	DIODE DAP202K (KV-C2971D)		JR220	1-216-295-00	METAL GLAZE 0	5%
D7	8-719-400-18	DIODE MA152WK		JR223	1-216-295-00	METAL GLAZE 0	5%
D9	8-719-105-52	DIODE RD3.6M-B2		R1	1-218-326-11	METAL GLAZE 470	5%
D9	8-719-106-17	DIODE RD6.8M-B2		R3	1-216-049-00	METAL GLAZE 1K	5%
<IC>				R4	1-216-025-00	METAL GLAZE 100	5%
IC1	8-759-039-18	IC SDA20162-B002		R5	1-216-047-00	METAL GLAZE 820	5%
IC2	8-759-045-54	IC SAA5246P/E/M4A		R6	1-216-001-00	METAL GLAZE 10	5%
IC3	8-759-510-49	IC FCB61C65L-70P		R7	1-216-083-00	METAL GLAZE 27K	5%
<COIL>				R8	1-216-071-00	METAL GLAZE 8.2K	5%
L1	1-408-403-00	INDUCTOR 3.3UH		R9	1-216-308-00	METAL GLAZE 4.7	5%
L2	1-408-407-00	INDUCTOR 6.8UH		R02	1-216-214-00	METAL GLAZE 4.7K	5%
L3	1-408-407-00	INDUCTOR 6.8UH		R10	1-218-325-11	METAL GLAZE 120	5%
L4	1-408-407-00	INDUCTOR 6.8UH		R11	1-218-325-11	METAL GLAZE 120	5%
<IC LINK>				R12	1-218-325-11	METAL GLAZE 120	5%
PS1	Δ 1-532-679-91	LINK, IC 0.6A		R13	1-216-025-00	METAL GLAZE 100	5%
				R14	1-216-001-00	METAL GLAZE 10	5%
				R15	1-216-013-00	METAL GLAZE 33	5%
				R16	1-216-013-00	METAL GLAZE 33	5%
				R17	1-216-013-00	METAL GLAZE 33	5%
				R18	1-216-025-00	METAL GLAZE 100	5%
				R19	1-216-025-00	METAL GLAZE 100	5%
				R20	1-216-041-00	METAL GLAZE 470	5%
				R21	1-216-041-00	METAL GLAZE 470	5%
				R22	1-216-168-00	METAL GLAZE 56	5%
				R23	1-216-214-00	METAL GLAZE 4.7K	5%
				R24	1-216-055-00	METAL GLAZE 1.8K	5%
				R25	1-216-065-00	METAL GLAZE 4.7K	5%

REF. NO.	PART NO.	DESCRIPTION	REMARK	REF. NO.	PART NO.	DESCRIPTION	REMARK
R26	1-216-049-00	METAL GLAZE 1K	5%	C1655	1-102-074-00	CERAMIC 0.001MF	10% 50V
R27	1-216-214-00	METAL GLAZE 4.7K	5%	<CONNECTOR>			
R28	1-216-067-00	METAL GLAZE 5.6K	5%	H1-1	*1-568-881-51	PIN, CONNECTOR 6P	
R34	1-216-065-00	METAL GLAZE 4.7K	5%	H1-02	1-568-678-11	TERMINAL BLOCK, S 3P	
R35	1-216-065-00	METAL GLAZE 4.7K	5%	H1-4	*1-568-879-51	PIN, CONNECTOR 4P	
R40	1-216-065-00	METAL GLAZE 4.7K	5%	H1-05	1-562-837-11	JACK	
R41	1-216-065-00	METAL GLAZE 4.7K	5%	H1-23	*1-568-879-51	PIN, CONNECTOR 4P	
R42	1-216-049-00	METAL GLAZE 1K	5%	H1-26	*1-568-877-51	PIN, CONNECTOR 2P	
R44	1-216-295-00	METAL GLAZE 0	5%	H1-43	*1-564-512-11	PLUG, CONNECTOR 9P	
R46	1-216-065-00	METAL GLAZE 4.7K	5%	<RESISTOR>			
R47	1-216-065-00	METAL GLAZE 4.7K	5%	R1651	1-249-413-11	CARBON 470	5% 1/4W
R49	1-216-049-00	METAL GLAZE 1K	5%	R1652	1-249-413-11	CARBON 470	5% 1/4W
R50	1-216-296-00	METAL GLAZE 0	5%	<SWITCH>			
<VARIABLE RESISTOR>				S1651	1-571-532-21	SWITCH, TACTIL	
RV1	1-238-012-11	RES, ADJ, CARBON 1K		S1652	1-571-532-21	SWITCH, TACTIL	
<CRYSTAL>				S1653	1-571-532-21	SWITCH, TACTIL	
X1	1-579-266-31	CRYSTAL VIBRATOR		<CAPACITOR>			
X2	1-577-364-11	VIBRATOR, CERAMIC		C280	1-124-927-11	ELECT 4.7MF	20% 50V
*****				C281	1-124-927-11	ELECT 4.7MF	20% 50V
*1-638-745-11	H2 BOARD (KV-C2571D)	*****		C282	1-137-025-91	FILM 0.56MF	10% 63V
*1-638-392-11	H2 BOARD (KV-C2971D)	*****		C283	1-124-927-11	ELECT 4.7MF	20% 50V
*4-374-987-01	GUIDE, LIGHT			C284	1-124-557-11	ELECT 1000MF	20% 25V
*4-381-686-01	BRACKET (B), LIGHT GUIDE			C285	1-124-557-11	ELECT 1000MF	20% 25V
<DIODE>				C286	1-101-006-00	CERAMIC 0.047MF	50V
D1651	8-719-948-31	DIODE LD-201VR		C287	1-137-098-11	FILM 0.1MF	10% 100V
*4-201-076-01	HOLDER, LED; D1651			<IC>			
D1652	8-719-948-31	DIODE LD-201VR		IC271	8-759-988-94	IC TDA2050	
*4-201-076-01	HOLDER, LED; D1652			<CONNECTOR>			
D1654	8-719-948-31	DIODE LD-201VR		K3	*1-568-878-51	PIN, CONNECTOR 3P	
*4-201-076-01	HOLDER, LED; D1654			K25	*1-568-880-51	PIN, CONNECTOR 5P	
<CONNECTOR>				K26	*1-568-877-51	PIN, CONNECTOR 2P	
H2-2	*1-568-882-51	PIN, CONNECTOR 7P		K27	*1-568-878-51	PIN, CONNECTOR 3P	
<IC>				<TRANSISTOR>			
IC1651	8-741-101-75	IC SBX1610-11		Q203	8-729-900-80	TRANSISTOR DTC114ES	
<RESISTOR>				Q204	8-729-900-80	TRANSISTOR DTC114ES	
R1662	1-249-413-11	CARBON 470	5% 1/4W	Q205	8-729-119-78	TRANSISTOR 2SC2785-HFE	
*****				<RESISTOR>			
*1-638-744-11	H1 BOARD (KV-C2571D)	*****		R280	1-249-431-11	CARBON 15K	5% 1/4W
*1-638-391-11	H1 BOARD (KV-C2971D)	*****		R281	1-249-431-11	CARBON 15K	5% 1/4W
<CAPACITOR>				R282	1-249-425-11	CARBON 4.7K	5% 1/4W
C1651	1-102-106-00	CERAMIC 100PF	10% 50V	R283	1-249-435-11	CARBON 33K	5% 1/4W
C1652	1-102-106-00	CERAMIC 100PF	10% 50V	R284	1-249-435-11	CARBON 33K	5% 1/4W
C1653	1-102-074-00	CERAMIC 0.001MF	10% 50V	R285	1-249-417-11	CARBON 1K	5% 1/4W
				R286	1-249-424-11	CARBON 3.9K	5% 1/4W

K J3 J1

REF.NO.	PART NO.	DESCRIPTION			REMARK	REF.NO.	PART NO.	DESCRIPTION			REMARK
R287	1-249-433-11	CARBON	22K	5%	1/4W	C235	1-163-005-11	CERAMIC CHIP	470PF	10%	50V
R288	1-216-357-00	METAL OXIDE	4.7	5%	1W	C236	1-163-005-11	CERAMIC CHIP	470PF	10%	50V
R289	1-249-429-11	CARBON	10K	5%	1/4W	C237	1-124-902-00	ELECT	0.47MF	20%	50V
R290	1-247-897-11	CARBON	560K	5%	1/4W	C238	1-163-125-00	CERAMIC CHIP	220PF	5%	50V
*****						C239	1-126-103-11	ELECT	470MF	20%	16V
*1-642-924-11 J3 BOARD						C240	1-163-018-00	CERAMIC CHIP	0.0056MF	10%	50V
*****						C241	1-163-018-00	CERAMIC CHIP	0.0056MF	10%	50V
<CAPACITOR>						C242	1-163-033-00	CERAMIC CHIP	0.022MF		50V
C291	1-101-005-00	CERAMIC	0.022MF		50V	C243	1-163-033-00	CERAMIC CHIP	0.022MF		50V
<JACK>						C244	1-163-033-00	CERAMIC CHIP	0.022MF		50V
J3	*1-564-518-11	PLUG, CONNECTOR 3P				C245	1-163-033-00	CERAMIC CHIP	0.022MF		50V
<CONNECTOR>						C1401	1-124-907-11	ELECT	10MF	20%	50V
J3-1	1-537-339-11	TERMINAL BOARD				C1402	1-126-103-11	ELECT	470MF	20%	16V
<COIL>						C1403	1-163-003-11	CERAMIC CHIP	330PF	10%	50V
L200	1-402-711-11	INDUCTOR, WIDEBAND				C1404	1-137-098-11	FILM	0.1MF	10%	100V
*****						C1405	1-163-029-11	CERAMIC CHIP	0.0047MF		50V
*A-1651-023-A J1 BOARD, COMPLETE (KV-C2571D)						C1406	1-137-098-11	FILM	0.1MF	10%	100V
*****						C1407	1-124-910-11	ELECT	47MF	20%	50V
*A-1651-038-A J1 BOARD, COMPLETE (KV-C2971D)						C1408	1-124-122-11	ELECT	100MF	20%	50V
*****						C1409	1-126-233-11	ELECT	22MF	20%	50V
<CAPACITOR>						C1410	1-124-907-11	ELECT	10MF	20%	50V
C203	1-124-925-11	ELECT	2.2MF	20%	50V	C1411	1-124-907-11	ELECT	10MF	20%	50V
C205	1-124-927-11	ELECT	4.7MF	20%	50V	C1412	1-124-910-11	ELECT	47MF	20%	50V
C206	1-124-925-11	ELECT	2.2MF	20%	50V	C1413	1-124-910-11	ELECT	47MF	20%	50V
C207	1-124-927-11	ELECT	4.7MF	20%	50V	C1414	1-124-907-11	ELECT	10MF	20%	50V
C213	1-126-233-11	ELECT	22MF	20%	50V	C1415	1-137-098-11	FILM	0.1MF	10%	100V
C214	1-137-045-11	FILM	0.0068MF	10%	400V	C1416	1-137-098-11	FILM	0.1MF	10%	100V
C217	1-137-045-11	FILM	0.0068MF	10%	400V	C1417	1-124-120-11	ELECT	220MF	20%	16V
C218	1-137-102-11	FILM	0.022MF	10%	250V	C1418	1-163-003-11	CERAMIC CHIP	330PF	10%	50V
C219	1-137-102-11	FILM	0.022MF	10%	250V	C1419	1-163-003-11	CERAMIC CHIP	330PF	10%	50V
C220	1-137-413-91	FILM	0.0033MF	10%	100V	C1425	1-124-902-00	ELECT	0.47MF	20%	50V
C221	1-137-413-91	FILM	0.0033MF	10%	100V	C1426	1-124-902-00	ELECT	0.47MF	20%	50V
C222	1-137-095-11	FILM	0.056MF	10%	100V	C1427	1-163-029-11	CERAMIC CHIP	0.0047MF		50V
C223	1-137-095-11	FILM	0.056MF	10%	100V	C1428	1-163-029-11	CERAMIC CHIP	0.0047MF		50V
C224	1-137-047-11	FILM	0.01MF	10%	400V	C1429	1-163-029-11	CERAMIC CHIP	0.0047MF		50V
C225	1-136-173-00	FILM	0.47MF	5%	50V	C1430	1-163-003-11	CERAMIC CHIP	330PF	10%	50V
C226	1-136-173-00	FILM	0.47MF	5%	50V	C1431	1-126-529-11	ELECT	0.47MF	20%	50V
C227	1-137-102-11	FILM	0.022MF	10%	250V	C1432	1-124-902-00	ELECT	0.47MF	20%	50V
C228	1-137-104-11	FILM	0.033MF	10%	250V	C1433	1-124-122-11	ELECT	100MF	20%	50V
C229	1-137-049-11	FILM	0.015MF	10%	400V	C1436	1-163-009-11	CERAMIC CHIP	0.001MF	10%	50V
C230	1-137-049-11	FILM	0.015MF	10%	400V	C1437	1-163-009-11	CERAMIC CHIP	0.001MF	10%	50V
C231	1-124-902-00	ELECT	0.47MF	20%	50V	C1438	1-137-047-11	FILM	0.01MF	10%	400V
C232	1-124-907-11	ELECT	10MF	20%	50V	C1439	1-137-047-11	FILM	0.01MF	10%	400V
C233	1-163-005-11	CERAMIC CHIP	470PF	10%	50V	C1440	1-124-907-11	ELECT	10MF	20%	50V
C234	1-163-005-11	CERAMIC CHIP	470PF	10%	50V	C1441	1-124-907-11	ELECT	10MF	20%	50V
*****						C1442	1-137-098-11	FILM	0.1MF	10%	100V
<CAPACITOR>						C1443	1-137-098-11	FILM	0.1MF	10%	100V
C203	1-124-925-11	ELECT	2.2MF	20%	50V	C1444	1-124-910-11	ELECT	47MF	20%	50V
C205	1-124-927-11	ELECT	4.7MF	20%	50V	C1445	1-102-824-00	CERAMIC	470PF	5%	50V
C206	1-124-925-11	ELECT	2.2MF	20%	50V	C1446	1-102-824-00	CERAMIC	470PF	5%	50V
C207	1-124-927-11	ELECT	4.7MF	20%	50V	C1501	1-124-927-11	ELECT	4.7MF	20%	50V
C213	1-126-233-11	ELECT	22MF	20%	50V	C1502	1-124-903-11	ELECT	1MF	20%	50V
C214	1-137-045-11	FILM	0.0068MF	10%	400V	C1503	1-137-410-91	FILM	0.001MF	10%	100V
C217	1-137-045-11	FILM	0.0068MF	10%	400V	C1504	1-124-910-11	ELECT	47MF	20%	50V
C218	1-137-102-11	FILM	0.022MF	10%	250V	C1505	1-137-094-11	FILM	0.047MF	10%	100V
C219	1-137-102-11	FILM	0.022MF	10%	250V	C1507	1-137-413-91	FILM	0.0033MF	10%	100V
C220	1-137-413-91	FILM	0.0033MF	10%	100V	C1508	1-124-903-11	ELECT	1MF	20%	50V
C221	1-137-413-91	FILM	0.0033MF	10%	100V	C1509	1-124-903-11	ELECT	1MF	20%	50V
C222	1-137-095-11	FILM	0.056MF	10%	100V	*****					
C223	1-137-095-11	FILM	0.056MF	10%	100V	<CONNECTOR>					
C224	1-137-047-11	FILM	0.01MF	10%	400V	CN1401	1-565-838-11	JACK BLOCK, PIN 2P			
C225	1-136-173-00	FILM	0.47MF	5%	50V	J1-41	*1-566-641-11	CONNECTOR, HINGE (TAB) 18P			
C226	1-136-173-00	FILM	0.47MF	5%	50V	J1-43	*1-564-524-11	PLUG, CONNECTOR 9P			
C227	1-137-102-11	FILM	0.022MF	10%	250V	J1-44	*1-564-527-11	PLUG, CONNECTOR 12P			
C228	1-137-104-11	FILM	0.033MF	10%	250V	J1-51	*1-566-641-11	CONNECTOR, HINGE (TAB) 18P			
C229	1-137-049-11	FILM	0.015MF	10%	400V	<DIODE>					
C230	1-137-049-11	FILM	0.015MF	10%	400V	D201	8-719-120-28	TRANSISTOR 2SC1623-L5L6			
C231	1-124-902-00	ELECT	0.47MF	20%	50V	D202	8-719-120-28	TRANSISTOR 2SC1623-L5L6			
C232	1-124-907-11	ELECT	10MF	20%	50V	Q1401	8-729-216-22	TRANSISTOR 2SA1162-G			
C233	1-163-005-11	CERAMIC CHIP	470PF	10%	50V	Q1402	8-729-120-28	TRANSISTOR 2SC1623-L5L6			
C234	1-163-005-11	CERAMIC CHIP	470PF	10%	50V	Q1403	8-729-120-28	TRANSISTOR 2SC1623-L5L6			
*****						Q1404	8-729-216-22	TRANSISTOR 2SA1162-G			
<CAPACITOR>						<RESISTOR>					
C203	1-124-925-11	ELECT	2.2MF	20%	50V	R201	1-216-079-00	METAL GLAZE 18K 5% 1/10W			
C205	1-124-927-11	ELECT	4.7MF	20%	50V	R202	1-216-206-00	METAL GLAZE 2.2K 5% 1/8W			
C206	1-124-925-11	ELECT	2.2MF	20%	50V	R203	1-216-075-00	METAL GLAZE 12K 5% 1/10W			
C207	1-124-927-11	ELECT	4.7MF	20%	50V	R204	1-216-085-00	METAL GLAZE 33K 5% 1/10W			
C213	1-126-233-11	ELECT	22MF	20%	50V	*****					
C214	1-137-045-11	FILM	0.0068MF	10%	400V	<TRANSISTOR>					
C217	1-137-045-11	FILM	0.0068MF	10%	400V	*****					
C218	1-137-102-11	FILM	0.022MF	10%	250V	<IC>					
C219	1-137-102-11	FILM	0.022MF	10%	250V	IC201	8-759-013-17	IC TDA6200			
C220	1-137-413-91	FILM	0.0033MF	10%	100V	IC1401	8-752-053-17	IC CXA1114P			
C221	1-137-413-91	FILM	0.0033MF	10%	100V	IC1402	8-759-946-32	IC TEA2014A			
C222	1-137-095-11	FILM	0.056MF	10%	100V	IC1403	8-759-140-53	IC UPD4053BC			
C223	1-137-095-11	FILM	0.056MF	10%	100V	IC1501	8-759-942-16	IC TEA2031A			
C224	1-137-047-11	FILM	0.01MF	10%	400V	<JACK>					
C225	1-136-173-00	FILM	0.47MF	5%	50V	J1402	1-561-534-41	SOCKET 21P			
C226	1-136-173-00	FILM	0.47MF	5%	50V	J1403	1-561-534-41	SOCKET 21P			
C227	1-137-102-11	FILM	0.022MF	10%	250V	*****					
C228	1-137-104-11	FILM	0.033MF	10%	250V	<TRANSISTOR>					
C229	1-137-049-11	FILM	0.015MF	10%	400V	Q201	8-729-120-28	TRANSISTOR 2SC1623-L5L6			
C230	1-137-049-11	FILM	0.015MF	10%	400V	Q202	8-729-120-28	TRANSISTOR 2SC1623-L5L6			
C231	1-124-902-00	ELECT	0.47MF	20%	50V	Q1401	8-729-216-22	TRANSISTOR 2SA1162-G			
C232	1-124-907-11	ELECT	10MF	20%	50V	Q1402	8-729-120-28	TRANSISTOR 2SC1623-L5L6			
C233	1-163-005-11	CERAMIC CHIP	470PF	10%	50V	Q1403	8-729-120-28	TRANSISTOR 2SC1623-L5L6			
C234	1-163-005-11	CERAMIC CHIP	470PF	10%	50V	Q1404	8-729-216-22	TRANSISTOR 2SA1162-G			
*****						<DIODE>					
<CAPACITOR>						D1401	8-719-110-03	DIODE RD7.5ES-B2			
C203	1-124-925-11	ELECT	2.2MF	20%	50V	D1403	8-719-110-03	DIODE RD7.5ES-B2			
C205	1-124-927-11	ELECT	4.7MF	20%	50V	D1404	8-719-110-03	DIODE RD7.5ES-B2			
C206	1-124-925-11	ELECT	2.2MF	20%	50V	D1405	8-719-110-03	DIODE RD7.5ES-B2			
C207	1-124-927-11	ELECT	4.7MF	20%	50V	D1406	8-719-110-03	DIODE RD7.5ES-B2			
C213	1-126-233-11	ELECT	22MF	20%	50V	D1407	8-719-921-77	DIODE MTZN-10C			
C214	1-137-045-11	FILM	0.0068MF	10%	400V	D1408	8-719-110-14	DIODE RD9.1ES-B3			
C217	1-137-045-11	FILM	0.0068MF	10%	400V	D1409	8-719-110-14	DIODE RD9.1ES-B3			
C218	1-137-102-11	FILM	0.022MF	10%	250V	D1410	8-719-110-14	DIODE RD9.1ES-B3			
C219	1-137-102-11	FILM	0.022MF	10%	250V	D1415	8-719-110-03	DIODE RD7.5ES-B2			
C220	1-137-413-4										

J1 IFG

REF.NO.	PART NO.	DESCRIPTION	REMARK
R1407	1-216-113-00	METAL GLAZE 470K 5%	1/10W
R1408	1-216-089-00	METAL GLAZE 47K 5%	1/10W
R1409	1-216-041-00	METAL GLAZE 470 5%	1/10W
R1410	1-216-089-00	METAL GLAZE 47K 5%	1/10W
R1411	1-216-041-00	METAL GLAZE 470 5%	1/10W
R1412	1-216-089-00	METAL GLAZE 47K 5%	1/10W
R1413	1-216-113-00	METAL GLAZE 470K 5%	1/10W
R1414	1-216-089-00	METAL GLAZE 47K 5%	1/10W
R1415	1-216-083-00	METAL GLAZE 27K 5%	1/10W
R1416	1-216-083-00	METAL GLAZE 27K 5%	1/10W
R1417	1-216-023-00	METAL GLAZE 82 5%	1/10W
R1418	1-247-738-11	CARBON 82 5%	1/2W F
R1419	1-216-295-00	METAL GLAZE 0 5%	1/10W
R1420	1-216-295-00	METAL GLAZE 0 5%	1/10W
R1421	1-216-295-00	METAL GLAZE 0 5%	1/10W
R1422	1-216-025-00	METAL GLAZE 100 5%	1/10W
R1423	1-216-089-00	METAL GLAZE 47K 5%	1/10W
R1424	1-216-089-00	METAL GLAZE 47K 5%	1/10W
R1425	1-216-045-00	METAL GLAZE 680 5%	1/10W
R1426	1-216-025-00	METAL GLAZE 100 5%	1/10W
R1427	1-216-001-00	METAL GLAZE 10 5%	1/10W
R1428	1-216-113-00	METAL GLAZE 470K 5%	1/10W
R1429	1-216-113-00	METAL GLAZE 470K 5%	1/10W
R1430	1-216-170-00	METAL GLAZE 68 5%	1/8W
R1431	1-216-041-00	METAL GLAZE 470 5%	1/10W
R1432	1-216-041-00	METAL GLAZE 470 5%	1/10W
R1433	1-216-033-00	METAL GLAZE 220 5%	1/10W
R1434	1-249-393-11	CARBON 10 5%	1/4W F
R1437	1-249-434-11	CARBON 27K 5%	1/4W
R1440	1-216-045-00	METAL GLAZE 680 5%	1/10W
R1441	1-216-045-00	METAL GLAZE 680 5%	1/10W
R1442	1-216-089-00	METAL GLAZE 47K 5%	1/10W
R1443	1-216-089-00	METAL GLAZE 47K 5%	1/10W
R1444	1-216-033-00	METAL GLAZE 220 5%	1/10W
R1445	1-216-095-00	METAL GLAZE 82K 5%	1/10W
R1446	1-216-033-00	METAL GLAZE 220 5%	1/10W
R1447	1-216-033-00	METAL GLAZE 220 5%	1/10W
R1448	1-216-025-00	METAL GLAZE 100 5%	1/10W
R1449	1-216-023-00	METAL GLAZE 82 5%	1/10W
R1452	1-216-049-00	METAL GLAZE 1K 5%	1/10W
R1453	1-216-049-00	METAL GLAZE 1K 5%	1/10W
R1454	1-216-180-00	METAL GLAZE 180 5%	1/8W
R1455	1-216-180-00	METAL GLAZE 180 5%	1/8W
R1457	1-216-025-00	METAL GLAZE 100 5%	1/10W
R1459	1-216-025-00	METAL GLAZE 100 5%	1/10W
R1460	1-216-053-00	METAL GLAZE 1.5K 5%	1/10W
R1461	1-216-190-00	METAL GLAZE 470 5%	1/8W
R1462	1-216-057-00	METAL GLAZE 2.2K 5%	1/10W
R1463	1-216-049-00	METAL GLAZE 1K 5%	1/10W
R1464	1-216-061-00	METAL GLAZE 3.3K 5%	1/10W
R1465	1-216-023-00	METAL GLAZE 82 5%	1/10W
R1466	1-216-033-00	METAL GLAZE 220 5%	1/10W
R1467	1-216-025-00	METAL GLAZE 100 5%	1/10W
R1468	1-216-025-00	METAL GLAZE 100 5%	1/10W
R1469	1-216-025-00	METAL GLAZE 100 5%	1/10W
R1470	1-216-025-00	METAL GLAZE 100 5%	1/10W
R1471	1-216-023-00	METAL GLAZE 82 5%	1/10W
R1472	1-216-023-00	METAL GLAZE 82 5%	1/10W
R1473	1-216-023-00	METAL GLAZE 82 5%	1/10W
R1474	1-216-113-00	METAL GLAZE 470K 5%	1/10W
R1476	1-216-089-00	METAL GLAZE 47K 5%	1/10W
R1477	1-216-089-00	METAL GLAZE 47K 5%	1/10W
R1478	1-216-113-00	METAL GLAZE 470K 5%	1/10W
R1480	1-216-190-00	METAL GLAZE 470 5%	1/8W

REF.NO.	PART NO.	DESCRIPTION	REMARK
R1482	1-216-178-00	METAL GLAZE 150 5%	1/8W
R1483	1-216-178-00	METAL GLAZE 150 5%	1/8W
R1484	1-216-073-00	METAL GLAZE 10K 5%	1/10W
R1485	1-216-073-00	METAL GLAZE 10K 5%	1/10W
R1486	1-216-073-00	METAL GLAZE 10K 5%	1/10W
R1487	1-216-065-00	METAL GLAZE 4.7K 5%	1/10W
R1488	1-216-065-00	METAL GLAZE 4.7K 5%	1/10W
R1489	1-216-065-00	METAL GLAZE 4.7K 5%	1/10W
R1501	1-216-081-00	METAL GLAZE 22K 5%	1/10W
R1502	1-216-083-00	METAL GLAZE 27K 5%	1/10W
R1503	1-216-113-00	METAL GLAZE 470K 5%	1/10W
R1504	1-216-085-00	METAL GLAZE 33K 5%	1/10W
R1505	1-216-081-00	METAL GLAZE 22K 5%	1/10W
R1506	1-216-113-00	METAL GLAZE 470K 5%	1/10W
R1509	1-216-105-00	METAL GLAZE 220K 5%	1/10W
R1510	1-216-067-00	METAL GLAZE 5.6K 5%	1/10W
R1511	1-216-049-00	METAL GLAZE 1K 5%	1/10W
R1512	1-216-073-00	METAL GLAZE 10K 5%	1/10W
R1513	1-216-091-00	METAL GLAZE 56K 5%	1/10W
R1514	1-216-049-00	METAL GLAZE 1K 5%	1/10W
R1515	1-216-117-00	METAL GLAZE 680K 5%	1/10W
R1516	1-216-079-00	METAL GLAZE 18K 5%	1/10W
R1517	1-216-033-00	METAL GLAZE 220 5%	1/10W
R1519	1-216-101-00	METAL GLAZE 150K 5%	1/10W
R1520	1-216-113-00	METAL GLAZE 470K 5%	1/10W
	1-216-111-00	METAL GLAZE 390K 5%	1/10W
R1521	1-216-214-00	METAL GLAZE 4.7K 5%	1/8W
R1550	1-216-349-00	METAL OXIDE 1 5%	1W F
R1556	1-216-067-00	METAL GLAZE 5.6K 5%	1/10W
<VARIABLE RESISTOR>			
RV1501	1-238-023-11	RES, ADJ, CARBON 470K	
RV1502	1-238-016-11	RES, ADJ, CARBON 10K	
RV1503	1-238-017-11	RES, ADJ, CARBON 22K	
RV1504	1-238-012-11	RES, ADJ, CARBON 1K	
RV1505	1-238-023-11	RES, ADJ, CARBON 470K	
RV1506	1-238-017-11	RES, ADJ, CARBON 22K	
RV1507	1-238-009-11	RES, ADJ, CARBON 220	
RV1508	1-238-016-11	RES, ADJ, CARBON 10K	
RV1509	1-238-023-11	RES, ADJ, CARBON 470K	
<CAPACITOR>			
C1	1-163-031-11	CERAMIC CHIP 0.01MF	50V
C2	1-163-031-11	CERAMIC CHIP 0.01MF	50V
C3	1-163-031-11	CERAMIC CHIP 0.01MF	50V
C4	1-163-031-11	CERAMIC CHIP 0.01MF	50V
C5	1-163-031-11	CERAMIC CHIP 0.01MF	50V
C6	1-163-031-11	CERAMIC CHIP 0.01MF	50V
C7	1-124-903-11	ELECT 1MF	20% 50V
C8	1-124-907-11	ELECT 10MF	20% 50V
C9	1-130-471-00	MYLAR 0.001MF	5% 50V
C10	1-163-121-00	CERAMIC CHIP 150PF	5% 50V

The components identified by shading and mark **A** are critical for safety. Replace only with part number specified.

REF.NO.	PART NO.	DESCRIPTION	REMARK
C11	1-163-119-00	CERAMIC CHIP 120PF	5% 50V
C12	1-136-298-00	FILM 0.0033MF	2% 100V
C13	1-124-477-11	ELECT 47MF	20% 16V
C14	1-124-477-11	ELECT 47MF	20% 16V
C15	1-124-477-11	ELECT 47MF	20% 16V
C16	1-124-477-11	ELECT 47MF	20% 16V
C17	1-124-907-11	ELECT 10MF	20% 50V
C18	1-137-047-11	FILM 0.01MF	10% 400V
C19	1-137-047-11	FILM 0.01MF	10% 400V
C20	1-126-233-11	ELECT 22MF	20% 50V
C21	1-126-233-11	ELECT 22MF	20% 50V
C22	1-137-098-11	FILM 0.1MF	10% 100V
C23	1-137-031-11	FILM 0.22MF	10% 100V
C24	1-124-034-51	ELECT 33MF	20% 16V
C25	1-137-102-11	FILM 0.022MF	10% 250V
C26	1-137-094-11	FILM 0.047MF	10% 100V
C27	1-124-903-11	ELECT 1MF	20% 50V
C28	1-163-109-00	CERAMIC CHIP 47PF	5% 50V
C29	1-124-903-11	ELECT 1MF	20% 50V
C30	1-124-903-11	ELECT 1MF	20% 50V
C31	1-137-047-11	FILM 0.01MF	10% 400V
C32	1-130-479-00	MYLAR 0.0047MF	5% 50V
C33	1-163-081-00	CERAMIC CHIP 0.22MF	25V
C34	1-137-031-11	FILM 0.22MF	10% 100V
C35	1-124-907-11	ELECT 10MF	20% 50V
C36	1-163-119-00	CERAMIC CHIP 120PF	5% 50V
C37	1-124-477-11	ELECT 47MF	20% 16V
C38	1-124-477-11	ELECT 47MF	20% 16V
C39	1-163-133-00	CERAMIC CHIP 470PF	5% 50V
<FILTER>			
CD1	1-404-751-11	DISCRIMINATOR, CERAMIC	
CD2	1-404-750-11	DISCRIMINATOR, CERAMIC	
SFT1	1-527-840-00	FILTER, CERAMIC	
SFT2	1-527-839-00	FILTER, CERAMIC	
<DIODE>			
D3	8-719-400-18	DIODE MA152WK	
<IC>			
IC1	8-759-003-90	IC TBA129	
IC2	8-759-003-90	IC TBA129	
IC3	8-759-030-48	IC TDA6600-2	
IC4	8-759-513-48	IC TDA2595/V9	
<CONNECTOR>			
IFG13	*1-565-488-11	CONNECTOR, BOARD TO BOARD 12P	
<COIL>			
L1	1-408-410-00	INDUCTOR 12UH	
L2	1-408-410-00	INDUCTOR 12UH	
L3	1-410-064-11	INDUCTOR 2.7MH	
L4	1-408-421-00	INDUCTOR 100UH	
L5	1-408-421-00	INDUCTOR 100UH	
<TRANSISTOR>			
Q2	8-729-901-00	TRANSISTOR DTC124EK	
Q3	8-729-216-22	TRANSISTOR 2SA1162-G	
Q4	8-729-901-00	TRANSISTOR DTC124EK	

IFG

REF.NO.	PART NO.	DESCRIPTION	REMARK
<RESISTOR>			
JR8	1-216-296-00	METAL GLAZE 0 5%	1/8W
JR10	1-216-296-00	METAL GLAZE 0 5%	1/8W
R1	1-216-045-00	METAL GLAZE 680 5%	1/10W
R2	1-216-043-00	METAL GLAZE 560 5%	1/10W
R3	1-216-043-00	METAL GLAZE 560 5%	1/10W
R5	1-216-045-00	METAL GLAZE 680 5%	1/10W
R6	1-216-043-00	METAL GLAZE 560 5%	1/10W
R7	1-216-043-00	METAL GLAZE 560 5%	1/10W
R9	1-216-073-00	METAL GLAZE 10K 5%	1/10W
R11	1-216-095-00	METAL GLAZE 82K 5%	1/10W
R12	1-216-097-00	METAL GLAZE 100K 5%	1/10W
R13	1-216-071-00	METAL GLAZE 8.2K 5%	1/10W
R15	1-216-059-00	METAL GLAZE 2.7K 5%	1/10W
R16	1-216-097-00	METAL GLAZE 100K 5%	1/10W
R17	1-216-097-00	METAL GLAZE 100K 5%	1/10W
R18	1-216-063-00	METAL GLAZE 3.9K 5%	1/10W
R19	1-216-097-00	METAL GLAZE 100K 5%	1/10W
R20	1-216-075-00	METAL GLAZE 12K 5%	1/10W
R22	1-216-099-00	METAL GLAZE 120K 5%	1/10W
R24	1-216-089-00	METAL GLAZE 47K 5%	1/10W
R25	1-216-077-00	METAL GLAZE 15K 5%	1/10W
<VARIABLE RESISTOR>			
RV1	1-238-016-11	RES, ADJ, CARBON 10K	
RV2	1-238-019-11	RES, ADJ, CARBON 47K	

MISCELLANEOUS			

<KV-C2571D>			
A-1-426-372-11 COIL, DEMAGNETIZATION			
A-1-451-311-21 DEFLECTION YOK (Y25FXA)			
1-452-032-00 MAGNET, DISK; 10MM			
1-452-094-00 MAGNET, ROTATABLE DISK; 15MM			
1-504-146-11 SPEAKER (5X11CM)			
1-544-767-11 SPEAKER (13CM)			
A-1-590-501-11 CORD, POWER (WITH NOISE FILTER)			
1-696-554-11 CABLE, SPEAKER (WITH PLUG)			
V901 A-8-733-231-05 PICTURE TUBE (A59JWC61X)			
<KV-C2971D>			
A-1-426-398-11 COIL, DEMAGNETIZATION			
A-1-451-313-21 DEFLECTION YOK (Y25FXA)			
1-452-032-00 MAGNET, DISK; 10MM			
1-452-094-00 MAGNET, ROTATABLE DISK; 15MM			
A-1-452-509-42 NECK ASSY, PICTURE TUBE (NA-308)			
1-504-146-11 SPEAKER (5X11CM)			
1-544-767-11 SPEAKER (13CM)			
A-1-590-501-11 CORD, POWER (WITH NOISE FILTER)			
1-696-554-11 CABLE, SPEAKER (WITH PLUG)			
V901 A-8-733-831-05 PICTURE TUBE (A68JYL61X)			

REF. NO.	PART NO.	DESCRIPTION	REMARK
ACCESSORIES AND PACKING MATERIALS			

<KV-C2571D>			
	A-1678-037-A	BOX ASSY, WOOFER	
	4-200-974-11	MANUAL, INSTRUCTION (GERMAN/ENGLISH/ FRENCH/DUTCH/ITALIAN/PORTUGUESE)	
	*4-202-040-01	INDIVIDUAL CARTON	
	*4-202-042-01	CUSHION (LOWER) (ASSY)	
	*4-396-065-01	BAG, PROTECTION	
<KV-C2971D>			
	A-1678-053-A	BOX ASSY, WOOFER	
	4-200-973-11	MANUAL, INSTRUCTION (GERMAN/ENGLISH/ FRENCH/DUTCH/ITALIAN)	
	*4-202-005-01	INDIVIDUAL CARTON	
	*4-202-009-01	CUSHION (BOTTOM)	
	*4-384-027-01	BAG, PROTECTION	
REMOTE COMMANDER			
	1-465-796-11	CONTROL UNIT, REMOTE (RM-816)	
	4-031-670-01	COVER, POCKET (FOR RM-816)	